

**OMEGA CHEMICAL SITE PRP ORGANIZED GROUP**

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June 7, 2012

Ms. Lynda Deschambault  
Remedial Project Manager  
U.S. Environmental Project Manager Agency-Region IX  
75 Hawthorne Street (SFD-7-1)  
San Francisco, CA 94105

Re: April 2012 Short Term Mitigation Air Sampling Report Submittal,  
Omega Chemical Superfund Site, Whittier, California

Dear Ms. Deschambault:

Enclosed is the April 2012 Short Term Mitigation Air Sampling Report (STMAR) submittal for the Omega Chemical Superfund site. This data submittal is being transmitted in accordance Task 1 of Administrative Settlement Agreement and Order on Consent/Statement of Work (AOC/SOW), which became effective on November 9, 2009.

Should you have any questions, regarding the above, please contact me.

Sincerely,  
Omega Chemical Site PRP Organized Group

  
Edward Modiano  
Project Coordinator

cc: David Stensby, USEPA  
Tom Perina, CH2MHIL  
Dave Chamberlin, CDMSmith  
Sharon Wallin, CDMSmith  
Stephanie Lewis, DTSC  
Jack Keener, de maximis, inc.



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June 6, 2012

Mr. Ed Modiano  
de maximis, inc.  
1322 Scott Street, Suite 104  
San Diego, CA 92107

Subject: Short Term Mitigation Air Sampling Report for April 2012  
Omega Chemical Superfund Site  
CDM Smith Project No: 10500-90421.AOC.IAQ  
CDM Smith File No: 10500-5.2.3

Dear Mr. Modiano:

On behalf of the Omega Chemical Site PRP Organized Group (OPOG), CDM Smith Inc. (CDM Smith) is submitting this Short Term Mitigation Air Sampling (STMAS) Report for the April 2012 sampling event. This report includes the analytical results for the monthly indoor air quality (IAQ) sampling, describes short-term mitigation measures in place, any changes or alterations, dates of operation, and recommended changes. This report was prepared in accordance with the Administrative Settlement Agreement and Order on Consent (AOC) for the Removal Action, which was effective November 9, 2009.

## **Sampling Date, Locations Sampled, Number of Samples**

**April 18 and April 30, 2012 monthly indoor air quality sampling.** Twenty (20) air samples were collected and sent to Air Toxics Ltd. for analysis. Two additional air samples were collected as split samples for confirmatory analysis at a second laboratory (CalScience Environmental Laboratory [CalScience]). The Terra Pave and Bishop properties are currently sampled on a quarterly basis and were not sampled in April, and the Regional Occupational Program (ROP) and Fred R. Rippy (FRR) properties are sampled on a monthly basis. The former Women's and Children's Crisis Shelter (WCCS) and former Merchants Metals (MM) properties were also sampled during April. The MM property was sampled on April 18, 2012 while all other properties and ambient sampling were conducted on April 30, 2012.

- ROP (six samples, including one split sample to CalScience)
  - ROP1 - Office (Room 207) - two samples (including split sample)
  - ROP2 - Classroom (Room 104) - one sample
  - ROP3 - Office (Room 108) - one sample



- ROP4 - Dental Annex - Lobby/Computer Area - one sample
- ROP5 - Dental Annex - Classroom - one sample
- WCCS (six samples, including one duplicate to Air Toxics)
  - WCCS2 - First floor in front of elevator - one sample
  - WCCS3 - First floor office - one sample
  - WCCS4 - First floor "Great Room" - one sample
  - WCCS6 - Second floor middle office
  - WCCS7 - Second floor office - two samples (including duplicate)
- FRR (four samples, including one duplicate to Air Toxics)
  - FRR1 - First floor office - two samples (including duplicate)
  - FRR2 - Production Area - one sample
  - FRR3 - Warehouse - one sample
- MM (two samples)
  - MM1 - Front office - one sample
  - MM2 - Production Area - one sample
- Ambient Air (4 samples, including one sample to CalScience)
  - AA8 - Exterior fence between parking lots near Dental Annex - two samples (including split sample)
  - AA16 - Rooftop of WCCS on the southern side of the building - one sample
  - AA22 - Rooftop of WCCS in the center of the roof on the northern side of the building - one sample

Figures 1 through 6 identify and illustrate the indoor air sampling locations at ROP, WCCS, FRR, and MM properties. Figure 7 presents the locations of the properties where samples were collected. Figure 8 identifies and illustrates the ambient air sampling locations. Figures are presented in Attachment A.

## **Building Conditions**

### **ROP**

- The ventilation system fans were operating during the time of sampling at the ROP and the Dental Annex. The ventilation system fans operate 24 hours a day, seven days a week.
- The SSD system was in operation at the time of sampling, and is routinely operated 24 hours a day, seven days a week.
- The building's windows are sealed and cannot be opened.
- The door to Room 207 was open throughout the day and during sample retrieval. The office was occupied during sample placement and throughout the day.
- The door to Room 104 was closed and the room was not occupied during sample placement. The office was occupied during sample retrieval.
- The door to Room 108 was closed and the office was unoccupied during sample placement and was occupied during sample retrieval.
- The doors to the inner offices in the computer room/lobby area in the Dental Annex were open during sample placement and retrieval. The room was unoccupied during sample placement and was occupied during sample retrieval.
- The door to the training area classroom at the Dental Annex was open during canister placement and retrieval. The room was not occupied during sample placement and was occupied during sample retrieval.

### **WCCS**

- The building is vacant and the SSD system was shut-down December 20, 2011 as the building is unoccupied.
- The ventilation system fan was operating during the time of sampling. However, the HVAC system in the Great Room was off during the day.
- The door of the first floor office (northwest corner of the building) was open during canister placement and canister retrieval.
- Both sets of doors from the hallway to the first floor "Great Room" were open during sample placement and retrieval.

- The office on the second floor (office number 16) is empty. The door to the office was open during sample placement and retrieval.
- The office on the second floor (office number 17) is empty. The sample canister was placed in the middle of the room, on the floor. The door to the office was open during sample placement and retrieval.
- The elevator was not in use throughout the day.

**FRR**

- The HVAC system operates 24 hours a day/7 days a week in the front office.
- The doors and windows to the production area and outside were closed throughout the day in the front office.
- Some of the roll up doors in the production area were open during the day but closed at the time of sample placement and retrieval. Overhead windows were closed throughout the day. Compressed oxygen and nitrogen tanks are located in this area.
- The warehouse doors to the outside were open during the day but closed during sample placement and retrieval. A propane (20 lb tank) powered, two-burner floor heater located in the warehouse was not operated during the day.

**MM**

- The office was vacant with all doors and windows closed. The HVAC system was off and remained off throughout the day.
- The production area is mainly used for storage. All roll-up doors were closed during the day, and the small door on the southeastern side of the building was the only door open throughout the day. Ventilators were on during the sampling event. A few people were in and out of the building throughout the day.
- According to an FRR representative, Rippy Investments. L.P. acquired the property in June 2003. At the time the property was acquired, it was occupied by Merchants Metals personnel. FRR initiated intermittent, as-needed use of the building in January 2004. This intermittent use continues to the present.

**Short Term Mitigation Measures in Place**

- Indoor and ambient air sampling continues on a monthly basis at the ROP building. As requested by EPA, monthly sampling is also being performed at the FRR property.

- As requested, the purifiers at Bishop were shut off by the property owner on October 21, 2010. As discussed in prior STMAS reports, based on operation of the interim soil vapor extraction 1 (ISVE1) system and review of indoor air analytical results, operation of the air purifiers is no longer necessary.
- The Terra Pave air purifiers were shut off by the property owner in May 2010. As noted above, based on operation of the ISVE1 system and review of indoor air analytical results, operation of the air purifiers is no longer necessary.
- The ISVE2 system began operation on March 6, 2012 in the area of the ROP, WCCS and Rippy buildings.
- The SSD system at the ROP property operates 24 hours a day, seven days a week. The SSD system at the former WCCS building has been shut-down as the building is unoccupied.

## **Indoor Air Analytical Results**

As briefly described above, monthly IAQ samples were collected from the FRR and ROP buildings on April 30, 2012. The currently vacant former WCCS building was also sampled on April 30, 2012 as part of the evaluation on the effectiveness of the newly installed ISVE2 System, which began operation on March 6, 2012. In addition, the Merchants Metals property was sampled on April 18, 2012 as requested by EPA.

Table 1 in Attachment B presents the analytical results. The following provides a brief summary of these sampling results. Results are compared to EPA's Health Protective Screening Criteria (Tables 2 through 5). EPA defines the acceptable risk range as  $10^{-4}$  to  $10^{-6}$  lifetime cancer risk, with the  $10^{-6}$  level defined as the Long-Term Health Protective Screening Criteria. EPA's Regional Screening Level (RSL) for TCE was revised in November 2011, with 300 ug/m<sup>3</sup> as the new  $10^{-4}$  screening cancer risk level for non-residential exposures and 3.0 ug/m<sup>3</sup> as the new  $10^{-6}$  screening cancer risk level for non-residential exposures. EPA's RSL for PCE was revised in May 2012, with 4,700 ug/m<sup>3</sup> as the new  $10^{-4}$  screening cancer risk level for non-residential exposures and 47 ug/m<sup>3</sup> as the new  $10^{-6}$  screening cancer risk level for non-residential exposures. Tables and graphs in Attachments B and C have been revised accordingly.

### **ROP**

The PCE concentrations in Room 108 (not detected above a reporting limit of 0.23 ug/m<sup>3</sup>), Room 104 (not detected above a reporting limit of 0.23 ug/m<sup>3</sup>), Room 207 (not detected above a reporting limit of 0.23 ug/m<sup>3</sup>[split sample result was 0.32 ug/m<sup>3</sup>]), Dental Annex Classroom (0.28 ug/m<sup>3</sup>), and the Dental Annex Lobby/Computer Area (not detected above a reporting limit of 0.22 ug/m<sup>3</sup>) were below the current long-term health protective screening criteria of 47 ug/m<sup>3</sup> during the April sampling event. PCE was detected at a concentration of 0.33 ug/m<sup>3</sup> (split

sample result was 0.38 ug/m<sup>3</sup>) in the ambient air sample collected from the parking lot near the Dental Annex during the April sampling event.

## **WCCS**

The PCE concentrations in the first floor great room (0.47 ug/m<sup>3</sup>), first floor office (northwest corner of building) (0.28 ug/m<sup>3</sup>), first floor elevator lobby (0.32 ug/m<sup>3</sup>), second floor Office 16 (not detected above a reporting limit of 0.24 ug/m<sup>3</sup>[duplicate sample results was 0.49 ug/m<sup>3</sup>]), and the second floor Office 17 (not detected above a reporting limit of 0.23 ug/m<sup>3</sup>) were below the current Long-Term Health Protective Screening Criteria of 47 ug/m<sup>3</sup> during the April sampling event. Based on these data, it appears that the operation of the ISVE2 system has been effective at improving indoor air conditions. . PCE was detected at a concentration of 0.33 ug/m<sup>3</sup>(split sample result was 0.38 ug/m<sup>3</sup>) in the ambient air sample collected from the parking lot near the Dental Annex during the April sampling event.

During the April sampling event, two ambient air samples were also collected from the WCCS rooftop. The PCE concentrations from the rooftop ambient air samples were as follows: not detected above a reporting limit of 0.24 ug/m<sup>3</sup> in the southern side of the rooftop and not detected above a reporting limit of 0.24 ug/m<sup>3</sup> in the center of the roof on the northern side of the building.

## **FRR**

PCE concentrations in the front office (0.63 ug/m<sup>3</sup> [field duplicate result was 0.58 ug/m<sup>3</sup>]), the production area (0.24 ug/m<sup>3</sup>), and the warehouse (0.32 ug/m<sup>3</sup>) were below the current long-term health protective screening criteria of 47 ug/m<sup>3</sup> during the April sampling event. PCE was detected at a concentration of 0.33 ug/m<sup>3</sup>(split sample result was 0.38 ug/m<sup>3</sup>) in the ambient air sample collected from the parking lot near the Dental Annex during the April sampling event.

## **MM**

The PCE concentration in the front office (60 ug/m<sup>3</sup>) was above the current long-term health protective screening criteria of 47 ug/m<sup>3</sup> during the April sampling event. The PCE concentration in the production area (0.77 ug/m<sup>3</sup>) was below the current long-term health protective screening criteria of 47 ug/m<sup>3</sup> during the April sampling event. PCE was detected at a concentration of 0.33 ug/m<sup>3</sup>(split sample result was 0.38 ug/m<sup>3</sup>) in the ambient air sample collected from the parking lot near the Dental Annex during the April sampling event.

## **Data Validation**

Formal data validation was performed on the analytical results for the 20 samples analyzed by Air Toxics using the Level 4 data package provided by the laboratory. Laboratory report is presented in Attachment D with the validation report. Following validation, the project's analytical Access database was updated (including any data validation flags, if needed) and the

attached summary table (Attachment B, Table 1) was generated. As discussed in the data validation memo, two field duplicate samples were collected during this event. The field duplicate of sample IAQ-FRR1-043012 (First floor office) had a 5.4 percent variation from the original sample for PCE (0.63 ug/m<sup>3</sup> in the original sample and 0.58 ug/m<sup>3</sup> in the field duplicate). PCE was not detected with a reporting limit of 0.24 ug/m<sup>3</sup> in the original sample for sample IAQ-WCCS7-043012 (Second Floor, Office 16), but was detected in the field duplicate sample at 0.49 ug/m<sup>3</sup>. No action is required to qualify the PCE results for these field duplicate sample pairs.

Two samples were submitted to a second laboratory (CalScience) as confirmatory split samples. PCE was not detected with a reporting limit of 0.23 ug/m<sup>3</sup> in the original sample for sample IAQ-ROP1-043012 (Room 207), but was detected in the confirmatory split sample at 0.32 ug/m<sup>3</sup>. Results for the split sample for sample IAQ-AA8-043012 (exterior fence between parking lots near dental annex) had 9.6 percent variation from the original sample for PCE (0.33 ug/m<sup>3</sup> in the original sample and 0.38 ug/m<sup>3</sup> in the split sample). No action is required to qualify the PCE results for these split sample pairs.

The results for the duplicate and split samples varied for several of the other detected compounds and are further discussed in the validation report in Attachment D.

## **Interim SVE System Operation (ISVE)**

### *ISVE<sub>1</sub>*

The ISVE<sub>1</sub> system, which is installed in the immediate vicinity of the Omega, Terra Pave and Bishop buildings, operated continuously during this reporting period, except during shutdowns for periodic maintenance activities. ISVE<sub>1</sub> system data are presented on a quarterly basis in the March, June, September and December Short Term Mitigation Air Sampling Reports. Therefore, the June 2012 Short Term Mitigation Air Sampling Report will include ISVE<sub>1</sub> system operation data, influence coverage analysis, mass removal estimates, and analytical results.

### *ISVE<sub>2</sub>*

The ISVE<sub>2</sub> system, which was installed in the immediate vicinity of the FRR, ROP and former WCCS buildings, began operation on March 6, 2012. ISVE<sub>2</sub> system data will be presented on a quarterly basis in the March, June, September and December Short Term Mitigation Air Sampling Reports. Therefore, the June 2012 Short Term Mitigation Air Sampling Report will include ISVE<sub>2</sub> system information.

## **Sub-Slab Depressurization Systems Operation**

The SSD system at ROP operated continuously during this reporting period. As noted in the STMAS Report for December 2011, the SSD system at the former WCCS building operated normally until December 20, 2011, at which time the system was shut-down. The shut-down

was approved by EPA since WCCS had vacated the premises on September 30, 2011 and the building was unoccupied. SSD system data are presented on a quarterly basis in the March, June, September and December Short Term Mitigation Air Sampling Reports. Therefore, the June 2012 Short Term Mitigation Air Sampling Report will include SSD system startup and operation data, vacuum influence and analytical results.

## **Changes or Alterations**

- As noted in prior STMAS reports, WCCS staff vacated the building as of September 30, 2011. The building is currently unoccupied.
- Based on the EPA comments to the Omega Technical Memorandum Post-Mitigation Evaluation (CDM Smith, November 3, 2011), the ISVE1 is achieving the objective of maintaining indoor air levels below the Risk Screening Level (RSL) for the Terra Pave and Bishop buildings. Therefore, the sampling frequency at Terra Pave and Bishop has been decreased to once per quarter. As a result, Terra Pave and Bishop will be sampled quarterly in March, June, September and December of each year. The next quarterly sampling event at Terra Pave and Bishop will occur in June 2012.
- During the upcoming May 30<sup>th</sup> sampling, the following buildings will be sampled: FRR, ROP, WCCS and MM. EPA has also requested that the InterHealth Same Day Surgery (SDS) Center located at 12415 East Washington Blvd. be sampled. OPOG has obtained permission to sample the SDS Center during the May 30<sup>th</sup> sampling event.

## **Recommended Changes/Actions**

- Although continued indoor air sampling of the FRR building is not required under the current AOC, OPOG has agreed to do so. Tenants at FRR had been requested by EPA to run the HVAC system 24/7, and to keep the windows open to the extent practicable. As EPA is aware, OPOG has installed an ISVE2 system in the immediate vicinity of the FRR, ROP, and former WCCS buildings, which began operation on March 6, 2012.
- As also approved by EPA, the WCCS SSD system was turned off on December 20, 2011.
- Based on the demonstrated effectiveness of the ISVE1 system at reducing indoor air concentrations inside the Bishop building, it is recommended that 24/7/365 operation of the ventilation fans be discontinued.
- Concentrations inside the FRR building have been below the current Long-Term Health Protective Screening Criteria for PCE since December 2011. Concentrations inside the ROP buildings have been below the current Long-Term Health Protective Screening Criteria for PCE since May 2010. Based on the recent installation and operation of the ISVE2 system and

the low concentrations inside the ROP and FRR buildings, OPOG is currently evaluating the 24/7 operation of the HVAC system fans at both properties and the 24/7 operation of the SSD system at ROP. It should be noted that ROP is also planning to vacate the property by the end of July 2012.

- Monthly monitoring will be performed at ROP, WCCS, and FRR through June 2012, at which time a Pro-UCL statistical evaluation will be performed to evaluate a potential change in sampling frequency at these locations to quarterly.

## **Other Short Term Mitigation Measures Activities**

None.

If you have any questions regarding this report, please feel free to call me at (949) 930-9866.



Sharon Wallin, P.G.  
Project Manager  
CDM Smith Inc.

### **Attachments**

#### **Attachment A:**

*Attachment A: Figures- IAQ Sample Location Maps*

Figure 1 - ROP

Figure 2 - WCCS First Floor

Figure 3 - WCCS Second Floor

Figure 4 - FRR

Figure 5 - MM Front Office

Figure 6 - MM Production Area

Figure 7 - IAQ Sampling Locations

Figure 8 - Ambient Air Sampling Locations

#### **Attachment B: Tables**

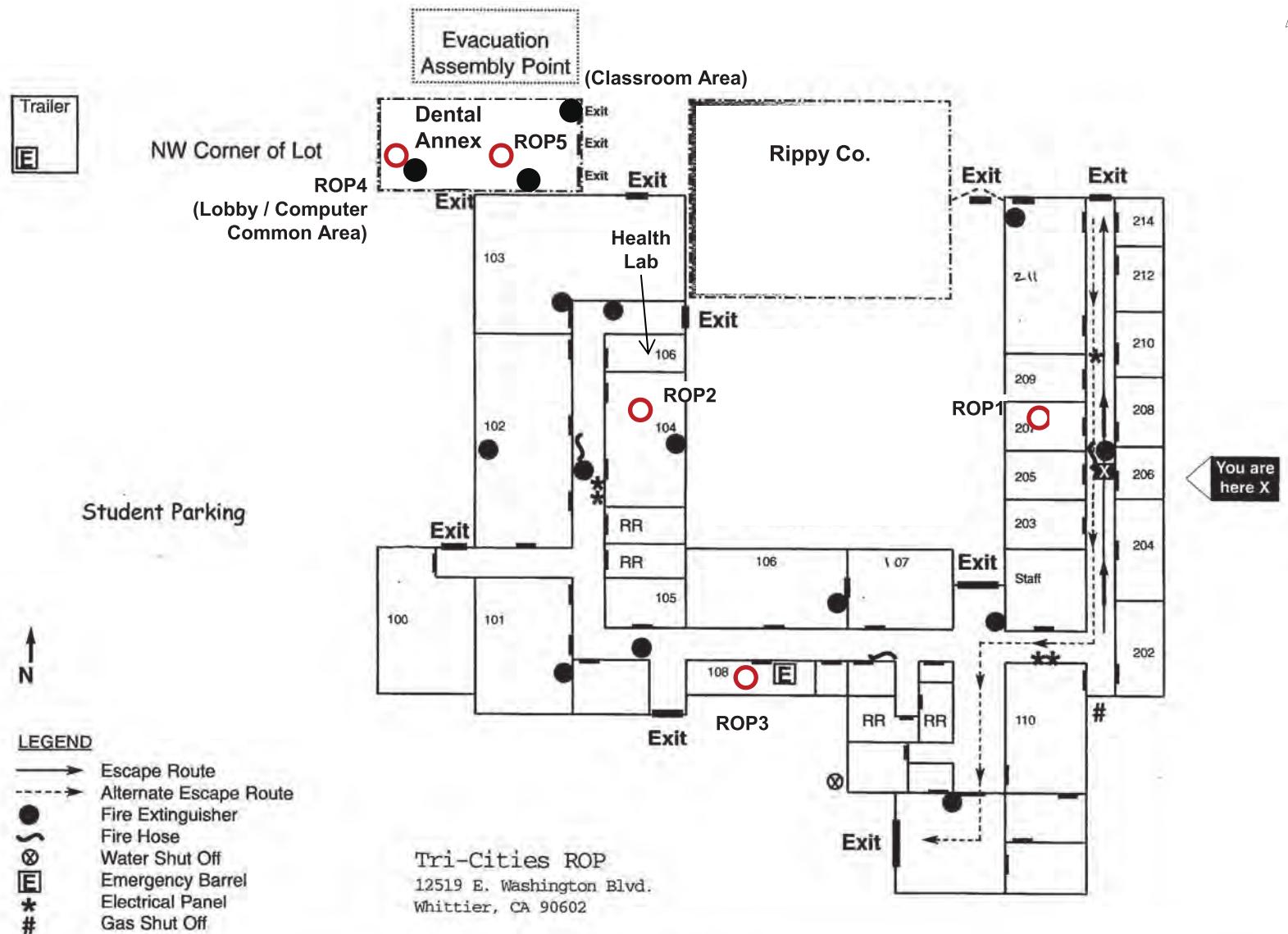
Table 1 - Analytical Summary Table

Tables 2 to 5 - Comparison to Health Protective Screening Criteria

**Attachment C:** Graphs of PCE and TCE Concentrations (ROP, WCCS, and FRR)

**Attachment D:** Laboratory Reports and Data Validation Memo

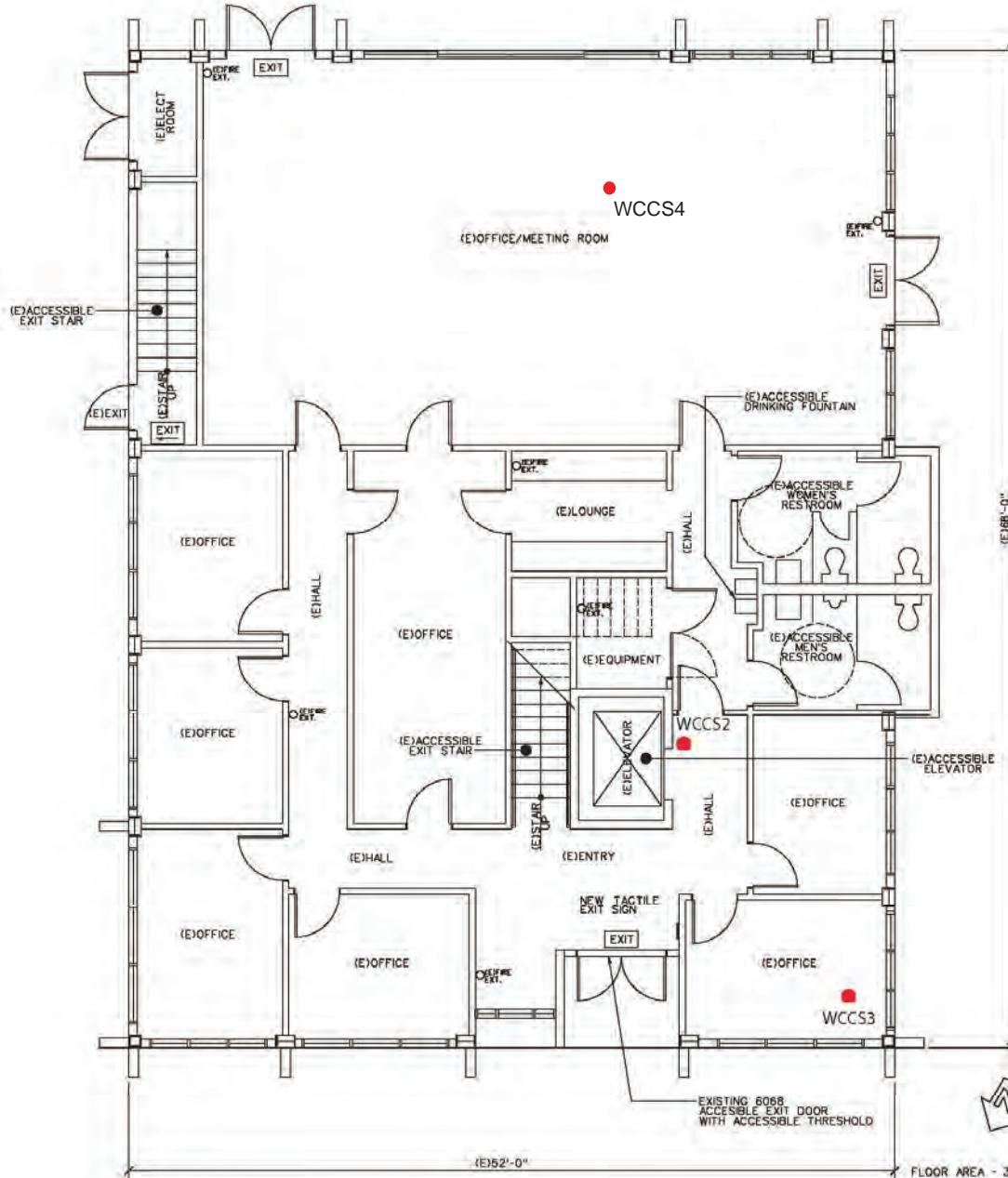
# Attachment A: Figures



Washington Blvd.

**CDM  
Smith**

***Omega Chemical***  
Regional Occupation Program  
Figure 1

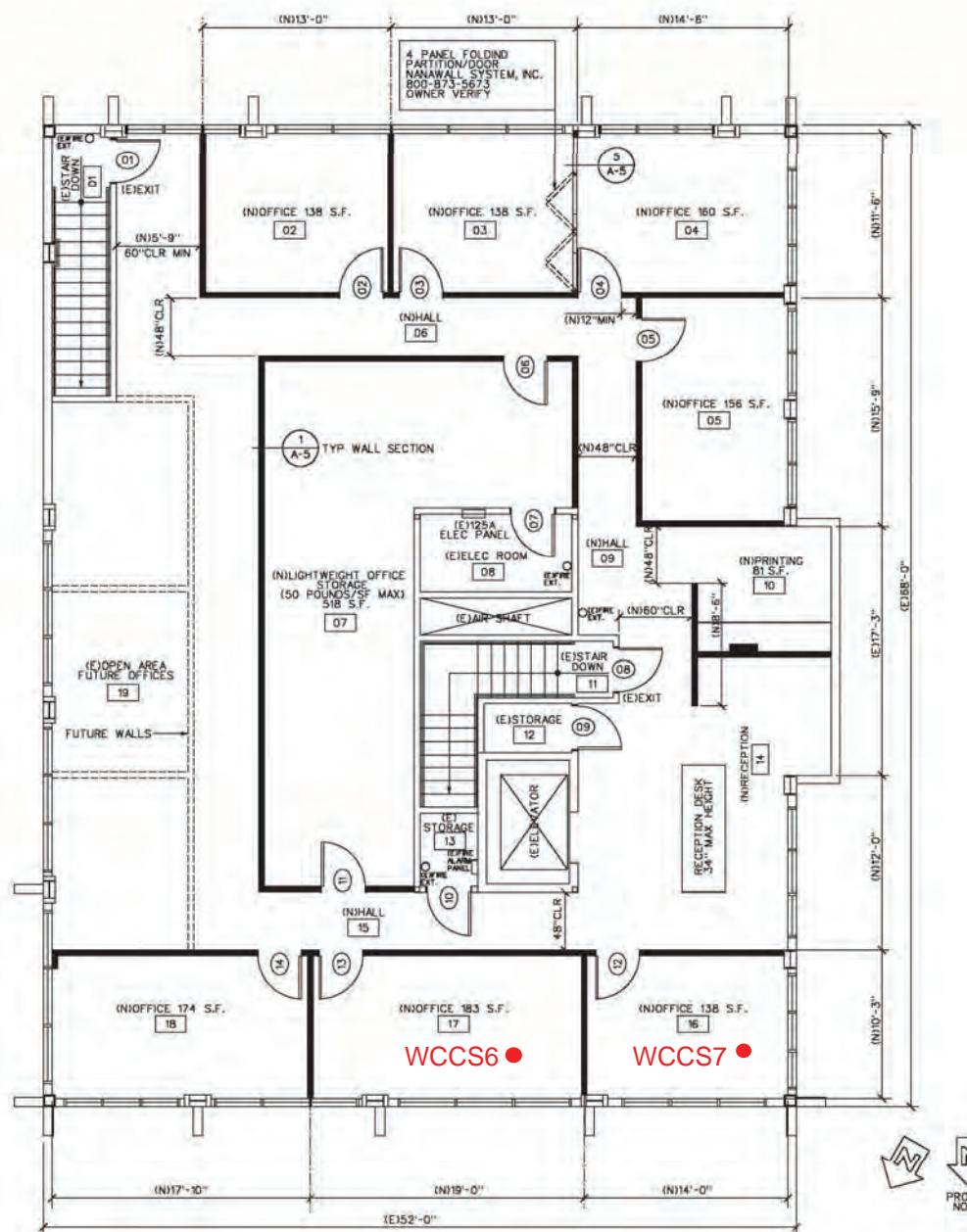


**CDM  
Smith**

**LEGEND:**

● Sample Location

**Omega Chemical**  
Former Women's and Children's Crisis Shelter – First Floor  
Figure 2



**CDM  
Smith**

#### LEGEND

## Sample Location

*Omega Chemical*  
Former Women's and Children's Crisis Center - Second Floor  
Figure 3



**Legend**

[Pink Box] Omega Chemical Property

[Blue Box] Phase Ia Area

● Sample Location

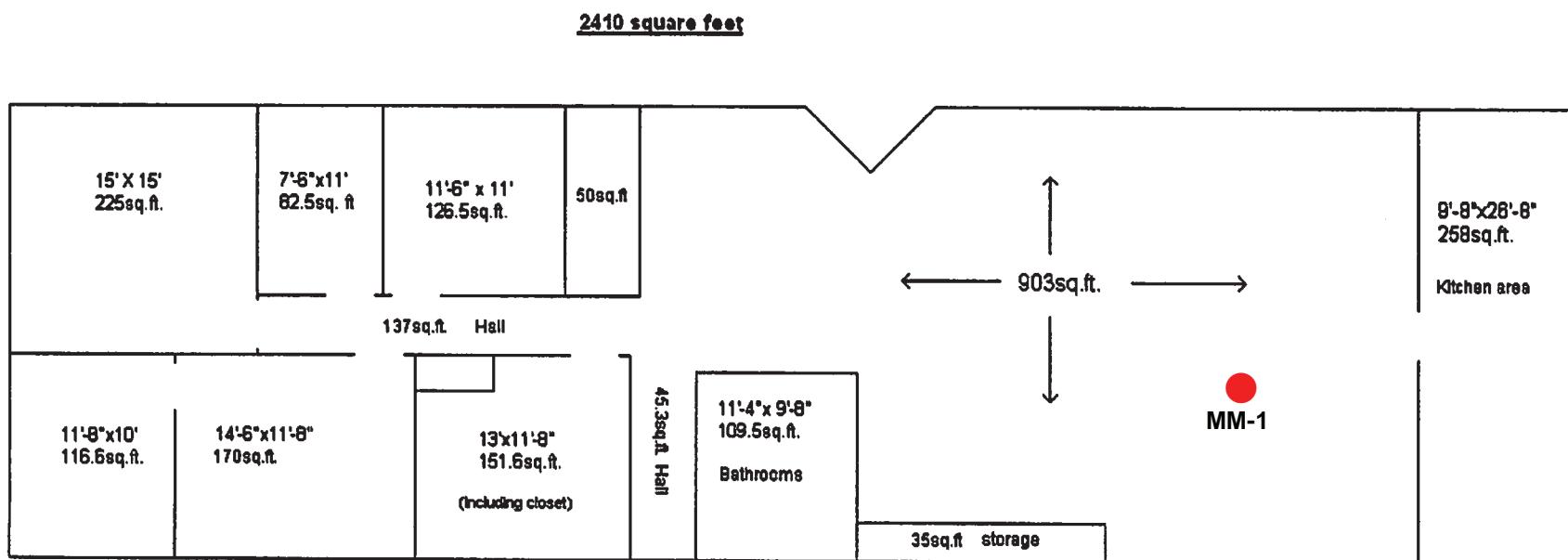


0 25 50 100  
Feet

**Omega Chemical  
Fred R. Rippy -  
Aerial View**

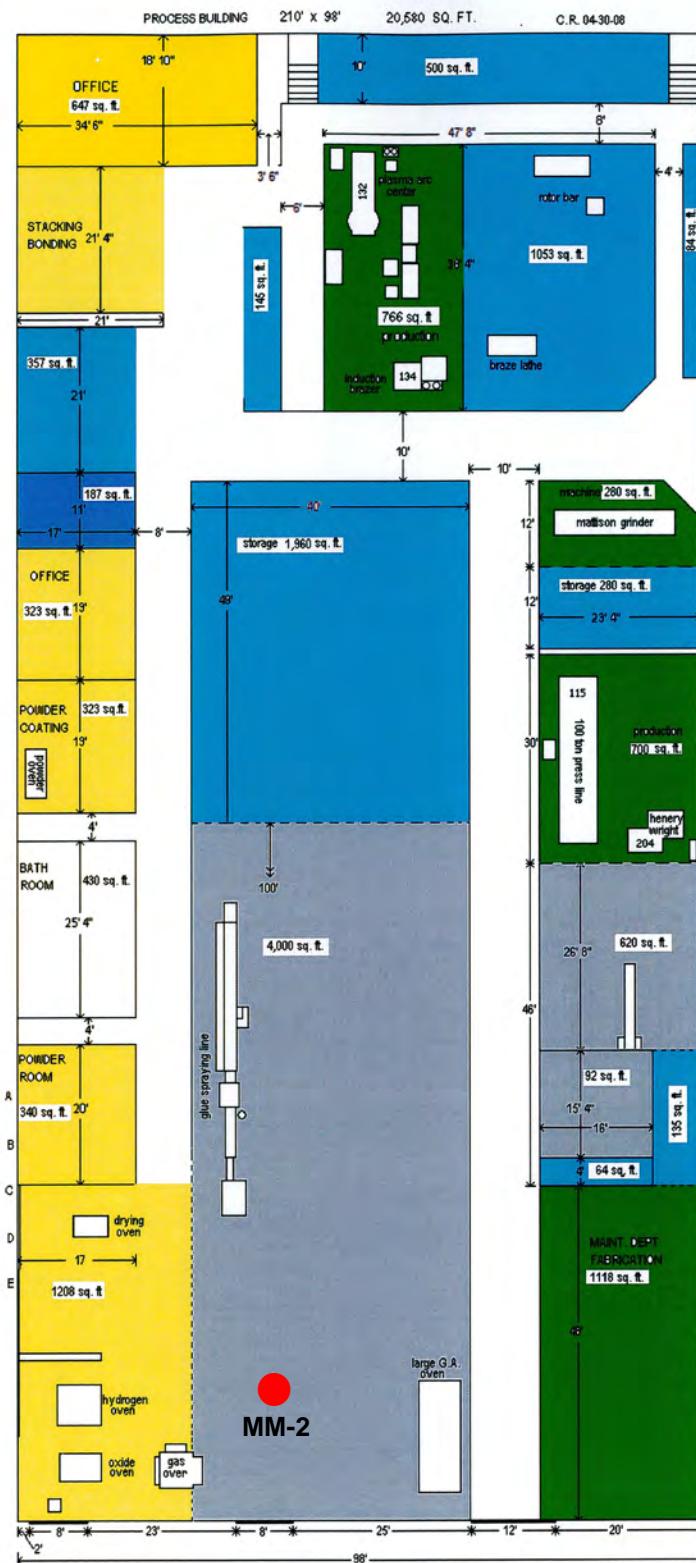
**Figure 4**

Merchants Metals Office Area



Note: Office Area is currently vacant.

## Merchants Metals Production Area



BLUE = STORAGE	4,578 SQ. FT.	BATHROOM	430 SQ. FT.
GREEN = PRODUCTION	2,864 SQ. FT.	FRANCINE'S AREA	187 SQ. FT.
GRAY = G.A. AREA	4,712 SQ. FT.		
YELLOW = PROCESS	2,194 SQ. FT.		
ISLES AND WALKWAYS	4,950 SQ. FT.		

Note: The production area is occupied on an as-needed basis, the building consists predominately of a large open space and is used primarily for storage.

**Omega Chemical**  
Merchants Metals - Production Area





## Attachment B: Tables

**Table 1**  
**Omega Chemical Superfund Site**  
**Volatile Organic Compounds (VOCs) Analytical Summary**  
**Indoor Air Analytical Results**

Sample Location	Sample Date	Sample Type	PCE	TCE	1,1,1-TCA	1,1,2-TCA	1,1-DCE	1,2-DCA	CTC	CBN	CFM	MC	1,4-DCB	Freon 11	Freon 113	Freon 12	VC	Acetone	Benzene	Toluene	Ethyl benzene	m,p-Xylenes	o-Xylene	MTBE
<b>Ambient</b>																								
Between Star City and 3 Kings																								
	05/11/04	ORIG	1.3 U	1 U	1 U	1 U	0.37 U	0.75 U	1.2 U	0.86 U	0.91 U	6.5 U	1.1 U	1.7	1.4 U	2.4	0.24 U	4000 E	1.5 U	6	0.79 J	2.8	1.2	3.4 U
Between Star City and Medlin & Son																								
	05/11/04	ORIG	1.2	1.1	1.1	0.3 U	0.66	0.22 U	0.5	0.25 U	0.27 U	1.9 U	0.33 U	1.7	1.8	2.6	0.07 U	28	0.82	7.8	0.63	2	0.77	0.98 U
	09/14/05	ORIG	1.7	0.4	0.2 U	0.2 U	0.45	0.15 U	0.62	0.17 U	0.18 U	1.3 U	0.22 U	2	1.5	1.8	0.048 U	46	0.86	4.6	0.63	2	0.51	0.67 U
	03/03/09	ORIG	0.91	0.24	0.19 U	0.19 U	0.27	0.14 U	0.52	0.16 U	0.17 U	1.3	0.21 U	2.2	1.1	2.5	0.045 U	44	1.4	7.4	0.92	3.1	1.1	0.63 U
	03/31/10	ORIG	2.1	0.17 U	0.2	0.18 U	0.1	0.16	0.38	0.15 U	0.16 U	1.1 U	0.19 U	1.1	0.78	2.1	0.041 U	11	0.53	1.4	0.18	0.54	0.18	0.58 U
	10/07/10	ORIG	0.43	0.18 U	0.19 U	0.19 U	0.21	0.14 U	0.44	0.16 U	0.16 J	1.2 U	0.2 U	1.2	0.98	2.5	0.044 U	26	0.96	2.9	0.41	1.1	0.38	0.62 U
	03/30/11	ORIG	0.32	0.18 U	0.18 U	0.18 U	0.067 U	0.14 U	0.45	0.15 U	0.17	2.7	0.2 U	1.6	0.59	2.7	0.043 U	24	1.3	4.9	0.57	1.7	0.56 J	0.6 U
	09/27/11	ORIG	0.5	0.2 U	0.21 U	0.21 U	0.076 U	0.15 U	0.49	0.18 U	0.28	5.2	0.23 U	1.6	0.55	2.7	0.049 U	72	1.7	6.7	1.2	4.1	1.5	0.69 U
Bishop exterior fence																								
	09/08/06	ORIG	0.66	0.18 U	0.19 U	0.19 U	0.56	0.14 U	0.57	0.16 U	0.17 U	1.2 U	0.2 U	1.8	1.5	3	0.044 U	38	1	16	0.68	2	0.74	0.62 U
Exterior fence between Bishop and Skateland																								
	07/16/09	ORIG	0.79	0.2 U	0.2 U	0.2 U	0.27	0.15 U	0.59	0.17 U	0.18 U	1.3 U	0.5	1.4	0.69	2.4	0.047 U	26	1.7	7.2	1.3	2.6	0.85	0.66 U
	08/25/09	ORIG	1.3	0.38	0.19 U	0.19 U	0.57	0.14 U	0.51	0.8 U	0.26	1.2 U	1 U	1.8	1.3 U	2.3	0.045 U	55	2.1	9.4	0.83	2.4	0.95	0.63 U
	09/30/09	ORIG	1	0.28	0.21 U	0.21 U	0.35	0.15 U	0.62	0.18 U	0.19 U	1.3 U	0.23 U	1.5	1.5 J	2.7	0.049 U	12	0.82	5.8	0.31	0.72	0.26	0.69 U
	10/29/09	ORIG	0.8	0.58	0.21 U	0.21 U	0.2 J	0.15 U	0.51	0.18 U	0.19 U	1.3 U	0.23 U	1.5	3.7	2.3	0.049 U	11	1.4	6.5	0.52	1.5	0.5	0.69 U
	11/24/09	ORIG	1.3	0.29	0.21 U	0.21 U	0.45	0.15 U	0.45	0.18 U	0.22	1.3 U	0.23 U	1.6	1.2	2.5	0.049 U	20	1.7	8.6	1	2.9	1.1	0.69 U
	12/28/09	ORIG	1.3	0.18 U	0.19 U	0.19 U	0.56	0.14 U	0.47	0.16 U	0.17 U	1.2 U	0.21 U	1.7	1.2	2.5 J	0.044 U	28	0.76	2.4	0.39	1.2	0.39	0.62 U
	01/27/10	ORIG	0.46	0.2 U	0.21 U	0.21 U	0.18	0.15 U	0.56	0.18 U	0.19 U	24	0.23 U	1.6	0.67	2.5	0.049 U	10	0.74	5.3	0.36	0.96	0.28	0.69 U
	02/24/10	ORIG	0.55	0.17 U	0.18 U	0.18 U	0.29	0.13 U	0.54	0.15 U	0.16 U	1.2	0.19 U	1.6	0.92	2.7 J	0.041 U	14	1.2	7.8	0.52	1.7	0.55	0.58 U
	03/31/10	ORIG	0.45	0.18 U	0.18 U	0.18 U	0.3	0.15	0.42	0.15 U	0.16 U	1.1 U	0.19 J	1.2	0.84	2.2	0.042 U	6.7	0.45	1.1	0.17	0.4	0.14 U	0.59 U
	04/28/10	ORIG	4.8 U	3.8 U	3.9 U	3.9 U	1.4 U	2.9 U	4.5 U	3.3 U	3.5 U	25 U	4.3 U	4 U	5.5 U	3.5 U	0.92 U	42 U	5.7 U	30	3.1 U	6.2 U	3.1 U	13 U
	06/18/10	ORIG	0.24 U	0.19 U	0.2 U	0.2 U	0.071 U	0.14 U	0.37	0.16 U	0.17 U	1.2 U	0.22 U	1.4	0.62	2.4	0.046 U	23	0.39	4.6	0.16 U	0.31 U	0.16 U	0.64 U
	06/24/10	ORIG	0.3	0.19 U	0.2 U	0.2 U	0.071 U	0.14 U	0.42	0.16 U	0.17 U	1.2 U	0.22 U	1.7	0.64	2.7	0.046 U	26	0.64	5.1	0.17	0.35	0.16 U	0.64 U
	07/08/10	ORIG	0.27	0.19 U	0.19 U	0.19 U	0.069 U	0.14 UJ	0.41	0.16 U	0.17 U	2.1	0.21 U	1.4	0.6	2.7	0.045 U	22	0.62	2.8	0.16	0.35	0.17	0.63 U
Exterior fence between parking lots near Dental Annex																								
	05/27/10	ORIG	0.77	0.91	0.2 U	0.2 U	0.37 J	0.15 U	0.53	0.17 U	0.18 U	1.3 U	0.22 U	1.7	1.1	2.9	0.047 U	16	0.62	2.1	0.36	0.98	0.32	0.66 U
	07/01/10	ORIG	0.42	0.38	0.2 U	0.2 U	0.11	0.15	0.42	0.16 U	0.19	1.4	0.22 U	1.8	0.73	2.7	0.046 U	21	0.95	2.6	0.25	0.57	0.19	0.64 U
	07/28/10	ORIG	0.38	0.41	0.18 U	0.18 U	0.064 U	0.13 U	0.48	0.15 U	0.16 U	1.1	0.19 U	1.2	0.54	2	0.041 U	21	0.58	1.8	0.29	0.68	0.25	0.58 U
	08/27/10	ORIG	0.49	0.15 U	0.15 U	0.15 U	0.081	0.11 U	0.41	0.13 U	0.18	1	0.17 U	1.7 J	0.66	2.2	0.036 U	17	1.2	3.6	0.36	0.83	0.3	0.5 U
	10/07/10	ORIG	0.24 U	0.19 U	0.19 U	0.19 U	0.069 U	0.14 U	0.42	0.16 U	0.17 U	1.2 U	0.21 U	1.7	0.66	2.6	0.045 U	14	0.62	1.8	0.22	0.57	0.2	0.63 U
	10/27/10	ORIG	0.66	0.18 U	0.19 U	0.19 U	0.13	0.14 U	0.32	0.16 U	0.17 U	17	0.2 U	1.2	0.9	2.5	0.044 U	12	0.44	9.1	0.39	0.63	0.18	0.62 U
	11/30/10	ORIG	0.29	0.2 U	0.21 U	0.21 U	0.076 U	0.15 U	0.46 J	0.18 U	0.19 U	1.3 U	0.23 U	1.2	0.73	2.4	0.049 U	12	0.97	2.2	0.35	0.99	0.3	0.69 U

**Table 1**  
**Omega Chemical Superfund Site**  
**Volatile Organic Compounds (VOCs) Analytical Summary**  
**Indoor Air Analytical Results**

Sample Location	Sample Date	Sample Type	PCE	TCE	1,1,1-TCA	1,1,2-TCA	1,1-DCE	1,2-DCA	CTC	CBN	CFM	MC	1,4-DCB	Freon 11	Freon 113	Freon 12	VC	Acetone	Benzene	Toluene	Ethyl benzene	m,p-Xylenes	o-Xylene	MTBE
12/28/10	ORIG		0.49	0.21 U	0.21 U	0.21 U	0.078 U	0.22	0.5 J	0.18 U	0.24	1.4 U	0.24 U	1.6	0.62	2.8	0.05 U	27	1.1	9.3	0.51	1.3	0.32	0.71 U
01/26/11	ORIG		0.36	0.2 U	0.21 U	0.21 U	0.076 U	0.15 U	0.48 J	0.18 U	0.19 U	1.3 U	0.23 U	1.2	0.6	2.6	0.049 U	20	1	3.4	0.41	1.2	0.34	0.69 U
02/28/11	ORIG		0.19 U	0.15 U	0.15 U	0.15 U	0.055 UJ	0.11 U	0.28	0.13 U	0.14 U	0.96 U	0.17 U	1.3	0.62	2.5	0.036 U	12	0.96	2.3	0.35	1	0.33	0.5 U
03/30/11	ORIG		0.34	0.19 U	0.2 U	0.2 U	0.071 U	0.15	0.49	0.16 U	0.18	1.2	0.22 U	1.6	0.59	2.6	0.046 U	18	1.2	3.8	0.5	1.4	0.45 J	0.64 U
04/29/11	ORIG		0.32	0.18 U	0.19 U	0.19 U	0.068 U	0.14 U	0.46	0.16 U	0.17 U	1.2 U	0.2 UJ	1.8	0.58	2.8	0.044 U	25	0.56	1.3	0.14 J	0.34	0.16	0.62 U
05/31/11	ORIG		0.3	0.19 U	0.19 U	0.19 U	0.069 U	0.14 UJ	0.54 J	0.16 U	0.17 U	1.2 U	0.21 U	1.2	0.65	2.7	0.045 U	12	0.85	2.3	0.28	0.81	0.31 J	0.63 U
06/29/11	ORIG		0.25 U	0.2 U	0.2 U	0.2 U	0.074 U	0.15 U	0.52	0.17 U	0.18 U	1.3 U	0.22 UJ	1.2	0.56	2.5	0.048 U	13	0.59	1.8	0.29	0.84	0.32	0.67 U
07/27/11	ORIG		0.34	0.18 U	0.18 U	0.18 U	0.067 U	0.14 U	0.54	0.15 U	0.16 U	1.2 U	0.2 UJ	1.3 J	0.52	2.5	0.043 U	12	0.39	1	0.18	0.5	0.19	0.6 U
08/31/11	ORIG		0.37	0.19 U	0.2 U	0.2 U	0.071 U	0.14 U	0.6	0.16 U	0.17 U	1.2 U	0.22 UJ	2	0.61	3.1	0.046 U	17	0.53	1.5	0.22	0.54	0.2	0.64 U
09/27/11	ORIG		0.54	0.22 U	0.22 U	0.22 U	0.082 U	0.18 J	0.43	0.19 U	0.22	1.4 U	0.25 U	1.4	0.56	2.5	0.053 U	32 J	1.4	4.4 J	0.68 J	1.9 J	0.93 J	0.74 U
09/27/11	DUP		0.48	0.17 U	0.17 U	0.17 U	0.063 U	0.38 J	0.51	0.14 U	0.25	3.4	0.19 U	1.4	0.6	2.4	0.04 U	47 J	1.3	8.1 J	1.6 J	4.4 J	1.4 J	0.57 U
10/28/11	ORIG		0.44	0.15 U	0.16 U	0.16 U	0.057 U	0.16	0.44	0.13 U	0.26	1	0.17 U	1.4	0.65	2.7	0.037 U	36	2	6.6	0.96	3.5	1.3	0.52 U
11/30/11	ORIG		0.58	0.18	0.19 U	0.19 U	0.068 U	0.17	0.47	0.16 U	0.25	1.4	0.2 UJ	1.3	0.57	2.4	0.044 U	38	1.9	6.4	0.97	3.1	1.1	0.62 U
12/21/11	SPLIT		0.59	0.085	0.22 U	0.22 U	0.079 U	0.16 U	0.57 J	0.18 U	0.23 J	1.4 U	0.24 U	1.5	0.66	2.8	0.051 U	24 J	1.9 J	5.6 J	1.1	3.1 J	1.3	0.72 U
12/21/11	ORIG		0.71	0.18 U	0.18 U	0.18 U	0.07	0.21	0.84 J	0.15 U	0.43 J	1.1 U	0.2 U	1.4	0.66	2.7	0.042 U	30 J	2.8 J	8 J	1.3	4.4 J	1.5	0.59 U
01/31/12	ORIG		0.23 U	0.18 U	0.18 U	0.18 U	0.067 U	0.14 U	0.52	0.16 U	0.17 U	1.2 U	0.2 U	1.3	0.57	2.5	0.043 U	7.2	0.66	1.8	0.26	0.85	0.3	0.61 U
02/29/12	ORIG		1.3	0.2	0.19 U	0.19 U	0.23	0.14 U	0.46	0.16 U	0.17 U	1.2 U	0.2 U	1.3	0.68	2.5	0.044 U	10	1	2.7	0.44 J	1.3 J	0.46 J	0.62 U
03/29/12	ORIG		0.82	0.18 U	0.19 U	0.19 U	0.3	0.14 U	0.66	0.16 U	0.17 U	1.2 UJ	0.2 U	1.5	0.58	2.4	0.044 U	9	0.67	2	0.28	0.89 J	0.3 J	0.62 U
04/30/12	SPLIT		0.38	0.054 U	0.11 U	0.11 U	0.63	0.072	0.51	0.092 U	0.11	0.69 U	0.12 U	1.6	0.58	2.3 J	0.026 U	9 J	0.69	1.5	0.3	0.87	0.34	0.36 U
04/30/12	ORIG		0.33	0.18 U	0.19 U	0.19 U	0.82	0.14 U	0.46	0.16 U	0.17 U	1.2 U	0.2 U	1.5	0.62	0.17 UJ	0.044 U	15 J	0.56	1.4	0.23	0.63	0.3	0.62 U
<b>Exterior fence between Terra Pave and Madsen Roofing</b>																								
07/23/08	ORIG		1.3	0.25	0.2 U	0.2 U	0.074 U	0.15 U	0.44	0.17 U	0.18 U	1.3 U	0.22 U	1.3	0.96	2.3	0.048 U	15	1	4.8	0.64	2	0.65	0.67 U
03/03/09	ORIG		1.2	0.29	0.2 U	0.2 U	0.17	0.15 U	0.51	0.17 U	0.18 U	1.3 U	0.22 U	2.5	0.77	2.4	0.048 U	32	1.4	19	0.61	2	0.75	0.67 U
07/16/09	ORIG		1.1	0.18 U	0.19 U	0.19 U	0.084	0.14 U	0.57	0.16 U	0.17 U	1.2 U	0.2 U	1.6	0.56	2.5	0.044 U	48	1.2	19	0.51	1.3	0.45	0.62 U
08/25/09	ORIG		7.9	0.86	0.86 U	0.86 U	0.52	0.64 U	0.99 U	0.73 U	0.77 U	5.5 U	0.95 U	2.2	1.4	3	0.2 U	870 E	3.5	410	2.1	7.2	2.4	2.8 U
09/30/09	ORIG		4.5	0.47	0.4 U	0.4 U	0.41	0.3 U	0.63	0.34 U	0.36 U	2.5 U	0.44 U	1.6	1.3 J	2.9	0.093 U	31	2.3	20	3.5	13	4.5	1.3 U
10/29/09	ORIG		9.1	0.78	0.38 U	0.38 U	0.53 J	0.28 U	0.52	0.32 U	0.34 U	3.1	0.42 U	1.8	5	2.7	0.089 U	250 E	2.5	170	2.1	6.7	2.4	1.3 U
11/24/09	ORIG		8.7	0.66	0.2 U	0.2 U	0.72	0.15 U	0.46	0.17 U	0.18 U	2.8	0.22 U	1.3	1.3	2.5	0.048 U	32	7.3	40	10	40	12	0.67 U
12/28/09	ORIG		1.9	0.19 U	0.19 U	0.19 U	0.22	0.14 U	0.45	0.16 U	0.17 U	1.2 U	0.21 U	1.5	0.82	2.4	0.045 U	140 E	0.89	3.5	2.4	7.8	2	0.63 U
01/27/10	ORIG		3	0.28	0.21 U	0.21 U	0.28	0.15 U	0.48	0.18 U	0.19 U	2.7	0.23 U	1.6	0.73	2.5	0.049 U	16	1.1	4.7	1	3.4	1.2	0.69 U
02/24/10	ORIG		2.8	0.43	0.16 U	0.16 U	0.24	0.12 U	0.51	0.14 U	0.15 U	1.8	0.18 U	1.5	0.77	2.9 J	0.039 U	130 E	1.8	32	3.6	17	6.8	0.55 U
03/31/10	ORIG		5.1	0.37	0.19 U	0.19 U	0.46	0.2	0.41	0.16 U	0.17 U	2.1	0.21 U	1.1	0.87	2.1	0.045 U	12	6.6	38	5.3	24	6.7	0.63 U
04/28/10	ORIG		2.4	0.34	0.18 U	0.18 U	0.22 J	0.14 U	0.4	0.15 U	0.16 U	7.2	0.2 U	1.2	0.78 J	2.4	0.043 U	16	0.4	4.8	0.14 J	0.38	0.14 U	0.6 U
05/27/10	ORIG		0.99	0.18 U	0.19 U	0.19 U	0.31	0.14 U	0.55	0.16 U	0.17 U	1.2 U	0.2 U	1.8	1.1	3.1	0.044 U	17	1.1	4.5	0.65	1.8	0.58	0.62 U
06/18/10	ORIG		0.23 U	0.18 U	0.19 U	0.19 U	0.068 U	0.14 U	0.37	0.16 U	0.17 U	1.2 U	0.2 U	1.3	0.56	2.3	0.044 U	31	1	5.1	0.5	1.4	0.45	0.62 U

**Table 1**  
**Omega Chemical Superfund Site**  
**Volatile Organic Compounds (VOCs) Analytical Summary**  
**Indoor Air Analytical Results**

Sample Location	Sample Date	Sample Type	PCE	TCE	1,1,1-TCA	1,1,2-TCA	1,1-DCE	1,2-DCA	CTC	CBN	CFM	MC	1,4-DCB	Freon 11	Freon 113	Freon 12	VC	Acetone	Benzene	Toluene	Ethyl benzene	m,p-Xylenes	o-Xylene	MTBE
	06/24/10	ORIG	0.32	0.19 U	0.2 U	0.2 U	0.071 U	0.14 U	0.38	0.16 U	0.17 U	1.2 U	0.22 U	1.5	0.57	2.4	0.046 U	25	1.9	6.6	0.53	1.5	0.5	0.64 U
	07/01/10	ORIG	0.34	0.19 U	0.19 U	0.19 U	0.069 U	0.14 U	0.42	0.16 U	0.17 U	1.9	0.21 U	1.7	0.66	2.6	0.045 U	62	2.1	8.4	0.71	2	0.68	0.63 U
	07/08/10	ORIG	0.23	0.18 U	0.18 U	0.18 U	0.067 U	0.14 UJ	0.42	0.15 U	0.16 U	1.9	0.2 U	1.7	0.68	2.7	0.043 U	33	0.9	3	0.31	0.82	0.28	0.6 U
	07/28/10	ORIG	0.36	0.15 U	0.15 U	0.15 U	0.055 U	0.11 U	0.42	0.13 U	0.14 U	1.2	0.17 U	1.3	0.46	2	0.036 U	17	1.9	7.2	1	3.7	1.4	0.5 U
	08/27/10	ORIG	0.34	0.19 U	0.2 U	0.2 U	0.071 U	0.14 U	0.42	0.16 U	0.17 U	1.3	0.22 U	1.6 J	0.67	2.4	0.046 U	14	1.6	5.9	0.52	1.3	0.42	0.64 U
	10/27/10	ORIG	0.25 U	0.2 U	0.2 U	0.2 U	0.074 U	0.15 U	0.45	0.17 U	0.18 U	1.3 U	0.22 U	1.4	2.1	2.5	0.048 U	10	0.48	1.3	0.31	1.1	0.39	0.67 U
	11/30/10	ORIG	0.47	0.19 U	0.19 U	0.19 U	0.069 U	0.18	0.46 J	0.16 U	0.17 U	1.2 U	0.21 U	1	0.55	2.3	0.045 U	130 E	3.5	14	2.4	8.7	2.9	0.63 U
	12/28/10	ORIG	0.51	0.2 U	0.21 U	0.21 U	0.076 U	0.2	0.45 J	0.18 U	0.19 U	1.3 U	0.23 U	1.6	0.61	2.8	0.049 U	18	1.1	9.6	0.5	1.4	0.47	0.69 U
	01/26/11	ORIG	0.6	0.18 U	0.18 U	0.18 U	0.067 U	0.14 U	0.46 J	0.15 U	0.16 U	2.3	0.2 U	1.3	0.56	2.5	0.043 U	170 E	4.1	32	2.5	9.1	2.6	0.6 U
	02/28/11	ORIG	0.34	0.18 U	0.18 U	0.18 U	0.065 UJ	0.14	0.48	0.15 U	0.16 U	3.6	0.2 U	1.2	0.57	2.4	0.042 U	260 E	3.5	63	4.9	14	3.2	0.59 U
	04/29/11	ORIG	0.3	0.18 U	0.19 U	0.19 U	0.068 U	0.14 U	0.42	0.16 U	0.17 U	1.2	0.2 UJ	1.9	0.63	2.8	0.044 U	10	0.92	2.8	0.32	0.9	0.28	0.62 U
	05/31/11	ORIG	0.74	0.19 U	0.19 U	0.19 U	0.087	0.15 J	0.52 J	0.16 U	0.17 U	1.2 U	0.21 U	1.3	0.64	2.6	0.045 U	15	3.7	15	1.4	4.9	1.5 J	0.63 U
	06/29/11	ORIG	0.41	0.17 U	0.17 U	0.17 U	0.062 U	0.13 U	0.57	0.14 U	0.15 U	2.3	0.19 UJ	1.1	0.36	2.6	0.04 U	20	6.1	31	5.8	22	8	0.56 U
	07/27/11	ORIG	0.4	0.19 U	0.2 U	0.2 U	0.071 U	0.16	0.49	0.16 U	0.17 U	1.2 U	0.22 UJ	1.2 J	0.51	2.3	0.046 U	7.7	1.6	4.2	0.51	1.7	0.58	0.64 U
	08/31/11	ORIG	0.67	0.21 U	0.21 U	0.21 U	0.087	0.16 U	0.58	0.18 U	0.19 U	1.4 U	0.23 UJ	1.6	0.64	2.9	0.05 U	24	2.4	25	5.7	25	8.2	0.7 U
	10/28/11	ORIG	0.53	0.2 U	0.2 U	0.2 U	0.072 U	0.16	0.4	0.17 U	0.24	1.4	0.22 U	1.4	0.59	2.5	0.047 U	32	4.4	21	3.6	15	5.2	0.66 U
	11/30/11	ORIG	0.53	0.22 U	0.22 U	0.22 U	0.08 U	0.18	0.45	0.18 U	0.25	1.5	0.24 UJ	1.4	0.55	2.4	0.051 U	39	4	13	1.7	5.6	2	0.72 U
	12/21/11	ORIG	0.43 J	0.35 U	0.35 U	0.35 U	0.13 U	0.47	0.78	0.3 U	0.32 U	2.2 U	0.39 U	1.4	0.63	2.6	0.083 U	410 E	5	29	36	160	59	1.2 U
	01/31/12	ORIG	0.24 U	0.19 U	0.19 U	0.19 U	0.07 U	0.14 U	0.5	0.16 U	0.17 U	1.2 U	0.21 U	1.2	0.56	2.3	0.045 U	7.9	2.6	16	2.2	9	2.7	0.63 U
	02/29/12	ORIG	0.31	0.18 U	0.19 U	0.19 U	0.068 U	0.14 U	0.52	0.16 U	0.17 U	1.2 U	0.2 U	1.3	0.67	2.6	0.044 U	20	2.2	18	4.2 J	18 J	6.2 J	0.62 U
	03/28/12	ORIG	0.22 U	0.18 U	0.18 U	0.18 U	0.065 U	0.13 U	0.78	0.15 U	0.19	1.1 UJ	0.2 U	1.3	0.62	2.3	0.042 U	8.5	3.4	32	5	20	6.2 J	0.59 U
Former 3 Kings rooftop, southwest corner																								
	09/27/11	ORIG	0.5	0.2 U	0.21 U	0.21 U	0.076 U	0.15 U	0.51	0.18 U	0.26	2	0.23 U	1.5	0.53	2.6	0.049 U	42	1.5	4.8	0.75	2.2	0.84	0.69 U
Former Merchants Metals parking lot																								
	05/11/04	ORIG	0.6	0.23	0.2 U	0.2 U	0.074 U	0.15 U	0.58	0.17 U	0.18 U	1.3 U	0.4	1.6	0.73	2.6	0.048 U	15	1	5.1	0.78	2.3	0.87	0.67 U
	12/21/11	ORIG	0.5	0.17 U	0.17 U	0.17 U	0.062	0.23	0.85	0.14 U	0.19	1.1 U	0.19	1.3	0.78	2.7	0.04 U	23	2.6	7.6	1.2	4.3	1.5	0.56 U
FRR parking lot by warehouse door and employee break area																								
	01/09/12	ORIG	1.1	0.21	0.22 U	0.22 U	0.41	0.16 U	0.55	0.18 U	0.21	1.4 U	0.24 U	1.4	0.86	2.5	0.051 U	29	2.4	11	1.4	3.8	1.3	0.72 U
JHA trailer rooftop, southeast corner																								
	09/27/11	SPLIT	0.59	0.15	0.27 U	0.27 U	0.099 U	0.2 U	0.54	0.23 U	0.31	1.7 U	0.3 U	1.3	0.72	3.2 J	0.064 U	38	1.8	6.9 J	0.82	2.6 J	1.5 J	0.9 U
	09/27/11	ORIG	0.52	0.21 U	0.21 U	0.21 U	0.078 U	0.18	0.45	0.18 U	0.26	1.6	0.24 U	1.5	0.54	2.5 J	0.05 U	38	1.5	4.6 J	0.69	1.9 J	0.75 J	0.71 U
Kaiser parking lot across from NW corner of Medlin South																								
	12/21/11	ORIG	0.34	0.19 U	0.19 U	0.19 U	0.069 U	0.19	0.78	0.16 U	0.17 U	1.2 U	0.21 U	1.4	0.6	2.7	0.045 U	18	1.7	4.6	0.81	2.6	0.91	0.63 U
Medlin & Son roof intake																								
	05/11/04	ORIG	0.55	0.2 U	0.2 U	0.2 U	0.15	0.15 U	0.59	0.17 U	0.18 U	2.1	0.22 U	1.9	1.3	3.4	0.046 U	19	0.91	5.5	0.79	2.1	0.8	0.66 U

**Table 1**  
**Omega Chemical Superfund Site**  
**Volatile Organic Compounds (VOCs) Analytical Summary**  
**Indoor Air Analytical Results**

Sample Location	Sample Date	Sample Type	PCE	TCE	1,1,1-TCA	1,1,2-TCA	1,1-DCE	1,2-DCA	CTC	CBN	CFM	MC	1,4-DCB	Freon 11	Freon 113	Freon 12	VC	Acetone	Benzene	Toluene	Ethyl benzene	m,p-Xylenes	o-Xylene	MTBE
Northeast corner of ROP rooftop																								
09/27/11	ORIG		2.1	0.2	0.2 U	0.2 U	0.4	0.17	0.48	0.17 U	0.3	1.9	0.22 U	1.6	0.73	2.4	0.048 U	32	1.8	5.3	0.86	2.8	1.2	0.67 U
10/28/11	ORIG		1.7	0.2 U	0.2 U	0.2 U	0.27	0.17	0.51	0.17 U	0.25	1.7	0.22 U	1.5	0.79	2.7	0.047 U	30	2	6.3	0.97	3.4	1.2	0.66 U
11/30/11	ORIG		1.9	0.22	0.19 U	0.19 U	0.24	0.17	0.46	0.16 U	0.25	1.4	0.21 UJ	1.3	0.8	2.3	0.045 U	36	1.8	6	0.89	2.8	1	0.63 U
12/21/11	ORIG		0.9	0.18 U	0.19 U	0.19 U	0.1	0.24	0.88	0.16 U	0.17	1.2 U	0.21 U	1.4	0.68	2.9	0.044 U	17	2.5	7	1.2	3.7	1.3	0.62 U
01/31/12	ORIG		0.72	0.19 U	0.19 U	0.19 U	0.11	0.14 U	0.56	0.16 U	0.17 U	1.2 U	0.21 U	1.4	0.75	2.7	0.045 U	6.6	0.75	1.8	0.27	0.9	0.34	0.63 U
Oncology Care Rooftop																								
09/08/06	ORIG		0.32	0.19 U	0.19 U	0.19 U	0.069 U	0.14 U	0.53	0.16 U	0.17 U	1.2 U	0.21 U	1.6	0.74	2.7	0.045 U	38	1.2	4.4	0.87	2.9	1.1	0.63 U
Outside rear of Madsen Roofing building by AC intake																								
07/23/08	ORIG		0.99	0.23 U	0.23 U	0.23 U	0.18	0.17 U	0.45	0.2 U	0.21 U	1.5 U	0.25 U	1.3	1.2	2.4	0.054 U	18	1.2	6.6	1.3	3.7	0.95	0.76 U
Rippy Parking Lot																								
05/11/04	ORIG		0.86	0.48	0.2 U	0.2 U	0.16	0.15 U	0.5	0.17 U	0.18 U	1.3 U	0.22 U	1.7	1.1	2.7	0.048 U	19	1.3	6.7	1.4	5	1.9	0.67 U
05/11/04	DUP		0.57	0.42	0.16 U	0.16 U	0.12	0.12 U	0.6	0.14 U	0.14 U	1 U	0.18 U	1.8	1.1	2.9	0.038 U	14	0.9	3.3	0.47	1.5	0.52	0.54 U
09/14/05	ORIG		0.84	0.42	0.2 U	0.2 U	0.13	0.15 U	0.63	0.17 U	0.18 U	1.3 U	0.22 U	1.8	1.4	2	0.047 U	14	0.99	3.7	0.45	1.3	0.45	0.66 U
ROP rooftop, centered on roof on eastern side of building																								
09/27/11	ORIG		1.7	0.2 U	0.2 U	0.2 U	0.31	0.18	0.51	0.17 U	0.33	2.1	0.22 U	1.6	0.73	2.6	0.048 U	39	1.8	5.5	0.87	2.8	1.3	0.67 U
Skateland - adjacent to front door																								
08/04/04	ORIG		1.2	0.26	0.19 U	0.19 U	0.58	0.14 U	0.72	0.16 U	0.17 U	1.5	0.22	2.1	2.6	3.4 J	0.044 U	61	1.6	5.7	1	3.6	1.8	0.62 U
Skateland - adjacent to sewer manhole																								
08/04/04	ORIG		1.7	0.22	0.2 U	0.2 U	0.89	0.15 U	0.61	0.17 U	0.18 U	1.8	0.22 U	2	1.8	3.5 J	0.048 U	34	1.7	5.3	0.85	2.2	0.9	0.67 U
Southeast corner of ROP rooftop																								
09/27/11	ORIG		0.78	0.2 U	0.2 U	0.2 U	0.094	0.15 U	0.48	0.17 U	0.32	2.2	0.24	1.5	0.6	2.6	0.048 U	34	1.9	5.7	0.91	2.8	1.2	0.67 U
10/28/11	ORIG		1.2	0.2 U	0.2 U	0.2 U	0.2	0.15 U	0.53	0.17 U	0.26	1.3 U	0.22 U	1.5	0.76	2.7	0.047 U	32	2.2	6.8	1.2	4.3	1.4	0.66 U
11/30/11	ORIG		0.44	0.18 U	0.19 U	0.19 U	0.068 U	0.18	0.36	0.16 U	0.24	1.4	0.2 UJ	1.3	0.54	2.5	0.044 U	39	2	6.6	0.98	3.2	1.4	0.62 U
12/21/11	ORIG		0.67	0.19 U	0.19 U	0.19 U	0.069 U	0.22	0.76	0.16 U	0.17	1.2 U	0.21 U	1.4	0.72	2.8	0.045 U	18	2.6	7.3	1.1	3.8	1.3	0.63 U
01/31/12	ORIG		0.62	0.18 U	0.19 U	0.19 U	0.096	0.14 U	0.6	0.16 U	0.17 U	1.2 U	0.21 U	1.2	0.72	2.5	0.044 U	9	0.79	3.7	0.37	1.1	0.39	0.62 U
Southwest corner of ROP rooftop																								
07/27/11	ORIG		0.23 U	0.18 U	0.19 U	0.19 U	0.068 U	0.14 U	0.5 J	0.16 U	0.17 U	1.2 U	0.2 UJ	1.2	0.5	2.4	0.044 U	11	0.39	1.2	0.2	0.61	0.23	0.62 U
Star City rooftop, southwest corner																								
09/27/11	ORIG		0.56	0.21 U	0.21 U	0.21 U	0.078 U	0.17	0.5	0.21	0.27	2.8	0.24 U	1.5	0.57	2.6	0.05 U	69	1.5	8.2	1.6	5.7	2	0.71 U
Terra Pave rooftop, along south edge, centered																								
09/27/11	ORIG		0.71	0.2 U	0.21 U	0.21 U	0.076 U	0.15 U	0.51	0.18 U	0.36	2	0.23 U	1.6	0.62	2.6	0.049 U	40	1.8	5.4	0.82	2.3	0.92	0.69 U
Tree lawn across from driveway to former Skateland																								
12/21/11	ORIG		0.3	0.16 U	0.16 U	0.16 U	0.059 U	0.19	0.75	0.14 U	0.15 U	1 U	0.18 U	1.4	0.59	2.7	0.038 U	14	1.4	4	0.62	2	0.73	0.54 U

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**Volatile Organic Compounds (VOCs) Analytical Summary**  
**Indoor Air Analytical Results**

Sample Location	Sample Date	Sample Type	PCE	TCE	1,1,1-TCA	1,1,2-TCA	1,1-DCE	1,2-DCA	CTC	CBN	CFM	MC	1,4-DCB	Freon 11	Freon 113	Freon 12	VC	Acetone	Benzene	Toluene	Ethyl benzene	m,p-Xylenes	o-Xylene	MTBE
Tree lawn across from driveway to Star City																								
	12/21/11	ORIG	0.32	0.19 U	0.19 U	0.19 U	0.069 U	0.2	0.72	0.16 U	0.17 U	1.2 U	0.21 U	1.4	0.57	2.7	0.045 U	20	1.6	4.7	0.91	3.2	1.2	0.63 U
Tree lawn across from former 3 Kings building																								
	12/21/11	ORIG	0.36	0.18 U	0.19 U	0.19 U	0.068 U	0.2	0.85	0.16 U	0.17 U	1.2 U	0.21 U	1.4	0.8	2.7	0.044 U	16	1.5	4.2	0.7	2.2	0.78	0.62 U
	12/21/11	DUP	0.3	0.15 U	0.15 U	0.15 U	0.055 U	0.17	0.75	0.13 U	0.14 U	0.96 U	0.17 U	1.3	0.73	2.6	0.036 U	15	1.3	3.7	0.58	1.9	0.68	0.5 U
WCCS rooftop, north central side of building																								
	10/28/11	ORIG	1.3	0.2 U	0.21 U	0.21 U	0.19	0.16	0.51	0.18 U	0.23	1.3 U	0.23 U	1.4	0.79	2.5	0.049 U	28	1.3	4.3	0.66	2.3	0.84	0.69 U
	11/30/11	ORIG	2.2	0.27	0.18 U	0.18 U	0.27	0.17	0.5	0.15 U	0.95	1.4	0.19 UJ	1.4	1.2	2.1	0.041 U	43	2	5.9	0.9	2.9	1	0.58 U
	12/21/11	ORIG	1.3	0.19 U	0.19 U	0.19 U	0.12	0.24	0.69	0.16 U	0.17 U	1.2 U	0.21 U	1.3	0.62	2.6	0.046 U	15	2.5	7.4	1.1	4	1.4	0.64 U
	01/31/12	ORIG	2.1	0.19 U	0.19 U	0.19 U	0.3	0.14 U	0.6	0.16 U	0.17 U	1.2 U	0.21 U	1.3	0.84	2.4	0.045 U	10	0.98	3	0.44	1.6	0.55	0.63 U
	03/28/12	ORIG	0.32	0.18 U	0.18 U	0.18 U	0.087	0.14 U	0.75	0.15 U	0.16 U	1.2 UU	0.2 U	1.2	0.56	2.3	0.043 U	7.3	1.1	3.2	0.51	1.8	0.62 J	0.6 U
	04/30/12	ORIG	0.24 U	0.18 U	0.18 U	0.18 U	0.25	0.14 U	0.45	0.16 U	0.17 U	1.2 U	0.22 U	1.3	0.7	0.18 U	0.046 U	12	0.52	1.2	0.18	0.51	0.26	0.64 U
WCCS rooftop, southern side of building near intake vent																								
	09/27/11	ORIG	4.8	0.36	0.19 U	0.19 U	2.5	0.14	0.49	0.16 U	0.3	2	0.2 U	2.8	1.1	2.6	0.044 U	35	1.5	4.6	0.92	3.6	2	0.62 U
	10/28/11	ORIG	2.6	0.22	0.21 U	0.21 U	0.49	0.16	0.53	0.18 U	0.26	1.3 U	0.23 U	1.5	0.76	2.4	0.049 U	28	1.3	4.2	0.66	2.1	0.79	0.69 U
	11/30/11	ORIG	2.9	0.29	0.19 U	0.19 U	0.4	0.18	0.47	0.16 U	0.28	1.6	0.21 UJ	1.5	0.88	2.5	0.045 U	38	2.1	6.8	1	3.4	1.4	0.63 U
	12/21/11	ORIG	1.1	0.19 U	0.19 U	0.19 U	0.1	0.23	0.73	0.16 U	0.17 U	1.2 U	0.21 U	1.3	0.64	2.7	0.045 U	16	2.6	7.6	1.2	3.9	1.4	0.63 U
	01/31/12	ORIG	1.6	0.19 U	0.19 U	0.19 U	0.23	0.14 U	0.52	0.16 U	0.17 U	1.2 U	0.21 U	1.3	0.81	2.5	0.045 U	10	0.97	3	0.43	1.6	0.54	0.63 U
	03/28/12	ORIG	0.71	0.18 U	0.18 U	0.18 U	0.098	0.14 U	0.66	0.15 U	0.16 U	1.2 UU	0.2 U	1.3	0.55	2.4	0.043 U	10	1.1	3.2	0.51	1.7	0.71 J	0.6 U
	04/30/12	ORIG	0.24 U	0.19 U	0.19 U	0.19 U	0.18	0.14 U	0.45	0.16 U	0.17 U	1.2 U	0.21 U	1.2	0.59	0.17 U	0.045 U	15	0.54	1.2	0.2	0.56	0.21	0.63 U
<b>3 Kings Construction</b>																								
Interior office area																								
	05/11/04	ORIG	3.2	0.92	0.22	0.19 U	2.7	0.14 U	0.58	0.16 U	0.25	2.1	0.2 U	3	4.1	2.6	0.044 U	28	6	40	4.4	20	5.6	0.62 U
	09/14/05	ORIG	7.6	2.2	0.2 U	0.2 U	4.9	0.15 U	0.57	0.17 U	0.18 U	49	0.22 U	3.8	4.2	1.4	0.048 U	24	2.8	36	3.2	14	2.9	0.67 U
Storage and work area																								
	05/11/04	ORIG	1	0.25	0.21	0.18 U	0.7	0.13 U	0.59	0.15 U	0.16 U	1.8	0.2 U	2	1.6	2.7	0.043 U	37	5.1	34	3.8	18	5	0.6 U
	09/14/05	ORIG	13	3.3	0.51 U	0.51 U	9.2	0.38 U	0.65	0.43 U	0.46 U	260	0.56 U	5.9	6.8	3.1	0.12 U	50	11	170	16	82	17	1.7 U
<b>Bishop</b>																								
Admin Office																								
	09/08/06	ORIG	9.3	0.5	0.34 U	0.34 U	5.3	0.25 U	0.57	0.28 U	0.3 U	2.2 U	0.37 U	2.3	3.9	3.1	0.079 U	64	1.2	6.5	0.72	2.4	0.93	1.1 U
	09/08/06	DUP	11	0.56	0.16 U	0.16 U	5.8	0.12 U	0.58	0.14 U	0.15	1 J	0.32	2.4	4	2.9	0.038 U	18	1.1	7.7	0.9	3	1.1	0.54 U
	03/03/09	ORIG	110	4.5	0.17 U	0.17 U	44	0.12 U	0.51	0.14 U	0.16	1.1 U	0.19 U	9.1	35	2.3	0.04 U	13	1	4.7	0.61	2	0.75	0.56 U
	03/03/09	EPA	149.2	5.9 J	10.4 U	10.4 U	51.5	7.7 U	12 U	8.7 U	9.3 U	6.6 U	11.4 U	10.1 J	39.9	9.4 U	4.9 U	--	6.1 U	4.1 J	8.3 U	16.9 U	8.3 U	--
	03/03/09	DUP	110	4.6	0.18 U	0.18 U	44	0.13 U	0.54	0.15 U	0.16 J	1.1 U	0.2 U	9.5	36	2.4	0.042 U	14	1	4.7	0.61	2	0.76	0.59 U

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**Volatile Organic Compounds (VOCs) Analytical Summary**  
**Indoor Air Analytical Results**

Sample Location	Sample Date	Sample Type	PCE	TCE	1,1,1-TCA	1,1,2-TCA	1,1-DCE	1,2-DCA	CTC	CBN	CFM	MC	1,4-DCB	Freon 11	Freon 113	Freon 12	VC	Acetone	Benzene	Toluene	Ethyl benzene	m,p-Xylenes	o-Xylene	MTBE
	07/16/09	ORIG	14	0.71	0.19 U	0.19 U	2.9	0.14 U	0.58	0.16 U	0.18	1.2 U	0.2 U	2	1.8	2.4	0.044 U	24 J	1	4.2	0.47	1.2	0.43	0.62 U
	07/16/09	DUP	14	0.74	0.18 U	0.18 U	3	0.14 U	0.58	0.15 U	0.18	1.2 U	0.2 U	2	1.7	2.4	0.043 U	37 J	1.1	4.5	0.48	1.2	0.44	0.6 U
	08/25/09	ORIG	3.8	0.59	0.18 U	0.18 U	0.58 J	0.13 J	0.52	0.15 U	0.31	1.4	0.2 U	1.8	0.97	2.6	0.042 U	40 J	2.4	8.7	0.79	2.1 J	0.69 J	0.59 U
	08/25/09	DUP	3.5	0.68	0.19 U	0.19 U	0.74 J	0.17	0.79	0.79 U	0.33	1.6	1 U	1.8	1.3 U	2.3	0.044 U	28 J	2.4	7.8	0.93	2.6 J	1 J	0.62 U
	09/30/09	ORIG	6.5	0.58	0.18 U	0.18 U	1.3	0.13 U	0.58	0.15 U	0.16 U	5.9	0.2 U	1.6	1.7 J	2.6	0.042 U	21 J	0.83	3.8	0.41	0.9	0.32	0.59 U
	09/30/09	DUP	6.3	0.59	0.2 U	0.2 U	1.2	0.14 U	0.62	0.16 U	0.17 U	6.1	0.22 U	1.6	1.8 J	2.9	0.046 U	16 J	0.85	4.2	0.39	0.85	0.3	0.64 U
	10/29/09	ORIG	55	2.4	0.18 U	0.18 U	8 J	0.14 U	0.53	0.15 U	0.18	1.2 U	0.2 U	2.4	9.5	2.4	0.043 U	13	1.8	7	0.72	2.1	0.7	0.6 U
	10/29/09	DUP	55	2.4	0.18 U	0.18 U	8.4 J	0.14 U	0.49	0.15 U	0.18	1.2 U	0.2 U	2.5	9.8	2.4	0.043 U	14	1.8	7.2	0.72	2.2	0.73	0.6 U
	11/24/09	ORIG	140	5.6	0.25 U	0.25 U	26	0.18 U	0.47	0.21 U	0.36	3.4	0.27 U	5.4	15	2.6	0.058 U	25	2.5	36 J	2.4 J	5.4 J	2 J	0.81 U
	11/24/09	DUP	160	5.9	0.26 U	0.26 U	28	0.19 U	0.49	0.22 U	0.34	1.7 U	0.29 U	4.6	15	2.5	0.061 U	25	2.4	9.7 J	1.5 J	4.4 J	1.5 J	0.86 U
	12/28/09	ORIG	210	8.2	0.22 U	0.22 U	61	0.16 U	0.46	0.19 U	0.24	1.4 U	0.25 U	13	40	2.5	0.052 U	18 J	0.97	4.2	0.6	1.8	0.61	0.74 U
	12/28/09	DUP	220	8.4	0.24 U	0.24 U	61	0.18 U	0.46	0.21 U	0.24	1.6 U	0.27 U	13	40	2.5	0.057 U	28 J	0.95	4.5	0.7	2.1	0.76	0.81 U
	01/27/10	ORIG	220	8.1	0.4 U	0.4 U	60	0.3 U	0.5	0.34 U	0.36 U	2.5 U	0.44 U	14	44	2.4	0.094 U	14	1	3.4	0.51	1.3	0.47	1.3 U
	01/27/10	DUP	210	7.8	0.21 U	0.21 U	57	0.16 U	0.48	0.18 U	0.24	2.1	0.24 U	13	41	2.6	0.05 U	18	1	3.5	0.5	1.3	0.45	0.71 U
	02/24/10	ORIG	60	2.5	0.18 U	0.18 U	21	0.14 U	0.51	0.15 U	0.16 U	3.2	0.2 U	4.8	15	3.2 J	0.043 U	18 J	1.3	4.1 J	0.66	2	0.7	0.6 U
	02/24/10	DUP	60	2.5	0.17 U	0.17 U	22	0.12 U	0.54	0.14 U	0.16	3.4	0.19 U	5.1	16	3.2 J	0.04 U	13 J	1.4	5.3 J	0.67	2.1	0.69	0.56 U
	03/31/10	ORIG	94	3.6	0.18 U	0.18 U	28	0.13 U	0.39	0.15 U	0.16 U	1.1 U	0.2 U	5.2	21	2.1	0.042 U	12	0.47	1.2	0.18	0.44	0.16	0.59 U
	03/31/10	DUP	96	3.7	0.2 U	0.2 U	27	0.14 U	0.4	0.16 U	0.17 U	1.2 U	0.22 U	5.5	22	2.2	0.046 U	13	0.48	1.2	0.17	0.44	0.16	0.64 U
	04/28/10	ORIG	28	1.4	0.21 U	0.21 U	6.3 J	0.16 U	0.42	0.18 U	0.19 U	1.8 J	0.24 U	2.3	5.8 J	2.4	0.05 U	8.8	0.37	1.4 J	0.17 U	0.34 U	0.17 U	0.71 U
	04/28/10	DUP	28	1.4	0.2 U	0.2 U	6.6 J	0.2	0.43	0.17 U	0.18 U	2.4 J	0.22 U	2.4	5.8 J	2.5	0.048 U	9.9	0.41	16 J	0.27	0.38	0.16 U	0.67 U
	05/27/10	ORIG	84	3.2	0.2 U	0.2 U	28	0.14 U	0.53	0.16 U	0.18	1.2 U	0.22 U	4.6	15	2.8	0.046 U	22	0.64	2.5	0.32	0.75	0.26	0.64 U
	06/18/10	ORIG	1.1	0.17 U	0.18 U	0.18 U	0.065	0.13 U	0.37	0.15 U	0.16 U	1.1 U	0.19 U	1.2	0.55	2.2	0.041 U	27 J	0.44	2.2	0.2	0.44	0.22	0.58 U
	06/18/10	DUP	1.1	0.17 U	0.18 U	0.18 U	0.086	0.13 U	0.39	0.15 U	0.16 U	1.1 U	0.19 U	1.4	0.63	2.4	0.041 U	19 J	0.43	2.2	0.18	0.4	0.15	0.58 U
	06/24/10	ORIG	0.8	0.18 U	0.18 U	0.18 U	0.067 U	0.14 U	0.32	0.15 U	0.16 U	1.2 U	0.2 U	1.6	0.63	2.7	0.043 U	22 J	0.69	3.4	0.22	0.42	0.14 U	0.6 U
	06/24/10	DUP	0.77	0.18 U	0.18 U	0.18 U	0.067 U	0.14 U	0.43	0.15 U	0.16 U	1.2 U	0.2 U	1.5	0.59	2.5	0.043 U	34 J	0.65	3.2	0.21	0.42	0.15	0.6 U
	07/01/10	ORIG	0.83	0.17 U	0.18 U	0.18 U	0.072	0.13 U	0.4	0.15 U	0.17	1.5	0.19 U	1.7	0.63	2.6	0.041 U	44	0.93	4.3	0.3	0.67	0.3	0.58 U
	07/08/10	ORIG	0.4	0.19 U	0.19 U	0.19 U	0.069 U	0.14 UJ	0.4	0.16 U	0.17 U	1.2 U	0.21 U	1.6	0.72	2.5	0.045 U	20 J	0.6	1.7	0.17	0.38	0.19	0.63 U
	07/08/10	DUP	0.41	0.19 U	0.19 U	0.19 U	0.069 U	0.14 UJ	0.4	0.16 U	0.17 U	1.2 U	0.21 U	1.6	0.69	2.5	0.045 U	32 J	0.58	1.7	0.16	0.34	0.16	0.63 U
	07/28/10	ORIG	0.61	0.17 U	0.17 U	0.17 U	0.063 U	0.13 U	0.42	0.14 U	0.15 U	1.1 U	0.19 U	1.2	0.46	2.1	0.04 U	28	0.82	2.6	0.34	0.87	0.34	0.57 U
	08/27/10	ORIG	0.5	0.16 U	0.16 U	0.16 U	0.068	0.12 U	0.42	0.13 U	0.18	1.6	0.18 U	1.6 J	0.71	2.4	0.037 U	18	0.95	3.3	0.37	0.9	0.29	0.53 U
	09/29/10	ORIG	0.68	0.16 U	0.16 U	0.16 U	0.38 J	0.14	0.44	0.14 U	0.19	1.4	0.18 U	2.1	1	2.8	0.039 U	32	1.5	4.7	0.65	1.6	0.64	0.55 U
	09/29/10	DUP	0.71	0.18 U	0.18 U	0.18 U	0.17 J	0.14 U	0.53	0.15 U	0.18	1.4	0.2 U	1.9	0.82	2.7	0.043 U	30	1.5	4.6	0.67	1.8	0.65	0.6 U
	10/27/10	ORIG	1.3	0.15 U	0.15 U	0.15 U	0.59	0.11 U	0.46	0.12 U	0.3	1.5	0.16 U	2.3	3.6	2.9	0.035 U	24	5.5	15	2.1	7.3	2.2	0.49 U
	11/30/10	ORIG	0.75	0.18 U	0.18 U	0.18 U	0.11	0.18	0.44 J	0.15 U	0.16 U	1.1 U	0.2 U	1.3	0.57	2.4	0.042 U	14	2.1	5.8	1	3.4	1.1	0.59 U
	12/28/10	ORIG	1.2	0.14 U	0.15 U	0.15 U	0.21	0.18	0.82 J	0.12 U	0.18	1	0.16 U	1.5	0.73	2.7	0.034 U	18	4.5	13	1.6	5.4	1.6	0.48 U

**Table 1**  
**Omega Chemical Superfund Site**  
**Volatile Organic Compounds (VOCs) Analytical Summary**  
**Indoor Air Analytical Results**

Sample Location	Sample Date	Sample Type	PCE	TCE	1,1,1-TCA	1,1,2-TCA	1,1-DCE	1,2-DCA	CTC	CBN	CFM	MC	1,4-DCB	Freon 11	Freon 113	Freon 12	VC	Acetone	Benzene	Toluene	Ethyl benzene	m,p-Xylenes	o-Xylene	MTBE
	01/26/11	ORIG	1.2	0.18 U	0.19 U	0.19 U	0.1	0.14 U	0.49 J	0.16 U	0.19	2.8	0.2 U	1.7	0.75	2.7	0.044 U	33	2.4	7.1	0.97	2.9	0.86	0.62 U
	02/28/11	ORIG	0.64	0.19 U	0.2 U	0.2 U	0.12 J	0.14	0.4	0.16 U	0.17 U	1.2 U	0.22 U	1.5	0.62	2.4	0.046 U	12	1.3	3.2	0.51	1.6	0.55	0.64 U
	03/30/11	ORIG	0.79	0.18 U	0.19 U	0.19 U	0.14 J	0.16	0.46	0.16 U	0.7	1.6	0.26	1.4	0.59	2.4	0.044 U	22	1.4	5.6	0.71	2.1	0.85	0.62 U
	03/30/11	DUP	0.81	0.18 U	0.19 U	0.19 U	0.14 J	0.17	0.47	0.16 U	0.74	1.6	0.2 U	1.4	0.6	2.5	0.044 U	21	1.4	5.8	0.69	2.1	0.73	0.62 U
	04/29/11	ORIG	0.26	0.17 U	0.17 U	0.17 U	0.061 U	0.16	0.5 J	0.14 U	1.7	3	0.19 J	2 J	1.1	3	0.04 U	18	0.62	2	0.27	0.66	0.26	0.56 U
	05/31/11	ORIG	0.92	0.2 U	0.2 U	0.2 U	0.12	0.15 UJ	0.55 J	0.17 U	0.22	1.3 U	0.22 U	1.2	1	2.6	0.047 U	16	1.2	4.2	0.56	1.7	0.61 J	0.66 U
	05/31/11	DUP	0.92	0.18 U	0.18 U	0.18 U	0.12	0.14 J	0.55 J	0.15 U	0.23	1.1 U	0.2 U	1.1	1	2.6	0.042 U	18	1.3	4.8	0.58	1.8	0.63 J	0.59 U
	06/29/11	ORIG	0.69	0.18 U	0.18 U	0.18 U	0.067 U	0.14 U	0.6	0.16 U	0.17 U	1.2 U	0.2 UJ	1.2	1	2.5	0.043 U	21	0.7	2.5	0.4	1.2	0.54	0.61 U
	06/29/11	DUP	0.67	0.18 U	0.18 U	0.18 U	0.067 U	0.14	0.52	0.15 U	0.16 U	1.2 U	0.2 UJ	1.2	1	2.5	0.043 U	18	0.63	0.13 U	0.4	1.2	0.54	0.6 U
	07/27/11	ORIG	0.34	0.18 U	0.19 U	0.19 U	0.068 U	0.14 U	0.53 J	0.16 U	0.17 U	1.2 U	0.2 UJ	1.2	1.5	2.4	0.044 U	12	0.39	1.4 J	0.22	0.66	0.25	0.62 U
	07/27/11	DUP	0.29	0.18 U	0.19 U	0.19 U	0.068 U	0.14 U	0.53 J	0.16 U	0.17 U	1.2 U	0.2 UJ	1.3	1.6	2.6	0.044 U	12	0.36	0.8 J	0.15 U	0.3 U	0.15 U	0.62 U
	08/31/11	ORIG	0.57	0.17 U	0.18 U	0.18 U	0.064 U	0.16	0.63	0.15 U	0.16 U	1.1 U	0.19 UJ	1.9	1.4	3	0.041 U	19	0.6	2.5	0.3	0.83	0.31	0.58 U
	08/31/11	DUP	0.56	0.17 U	0.17 U	0.17 U	0.061 U	0.14	0.63	0.14 U	0.15 U	1.5	0.19 UJ	1.9	1.4	2.9	0.04 U	20	0.61	2.5	0.3	0.84	0.33	0.56 U
	09/27/11	ORIG	0.76	0.18 U	0.19 U	0.19 U	0.069	0.17 J	0.5	0.16 U	0.34	2	0.2 U	1.5	0.59	2.6	0.044 U	36	1.8	6	1	3.1	1.3	0.62 U
	09/27/11	DUP	0.73	0.19 U	0.19 U	0.19 U	0.069 U	0.44 J	0.49	0.16 U	0.34	2	0.21 U	1.5	0.6	2.6	0.045 U	36	1.9	6.3	1.1	3.2	1.4	0.63 U
	12/21/11	ORIG	0.49	0.18 U	0.18 U	0.18 U	0.067 U	0.24	0.9	0.16 U	0.2	1.2 U	0.2 U	1.4	0.84	2.8	0.043 U	19	2.7	7.7	1.2	4	1.4	0.61 U
	12/21/11	DUP	0.47	0.18 U	0.18 U	0.18 U	0.067 U	0.24	0.8	0.16 U	0.19	1.2 U	0.2 U	1.4	0.83	2.9	0.043 U	20	2.7	7.9	1.2	4.2	1.4	0.61 U
	03/28/12	ORIG	0.24 U	0.19 U	0.19 U	0.19 U	0.069 U	0.14 U	0.57	0.16 U	0.17 U	1.2 UJ	0.21 U	1.2	0.59	2.3	0.045 U	12	0.94	3	0.47	1.5	0.53 J	0.63 U
	03/28/12	DUP	0.37	0.19 U	0.19 U	0.19 U	0.069 U	0.14 U	0.72	0.16 U	0.17 U	1.2 UJ	0.21 U	1.2	0.54	2.3	0.045 U	13	0.89	3.1	0.47	1.5	0.67 J	0.63 U
<b>Interior Store</b>																								
	09/08/06	ORIG	29	1.5	0.19	0.18 U	14	0.13 U	0.51	0.15 U	0.18	1.7	0.21	3.7	10	2.7	0.041 U	28	1.2	8.4	1.7	4.9	1.7	0.67
	03/03/09	ORIG	72	3.9	0.2 U	0.2 U	31	0.15 U	0.52	0.17 U	0.24	1.8	0.22 U	7.2	21	2.4	0.047 U	24	1.8	9.8	2.4	6.6	2.2	0.69
	07/16/09	ORIG	16	0.89	0.18 U	0.18 U	3.9	0.13 U	0.58	0.15 U	0.22	1.5	0.2 U	2.2	2.5	2.5	0.042 U	26	1.5	7.8	1	3	0.83	0.59 U
	08/25/09	ORIG	17	1.3	0.28 U	0.28 U	4	0.21 U	0.49	1.2 U	0.33	2.4	1.6 U	2.2	2.9	2.4	0.066 U	71	2.6	8.8	1.6	4.3	1.7	0.93 U
	09/30/09	ORIG	36	2	0.19 U	0.19 U	7.8	0.14 U	0.61	0.16 U	0.21	7.9	0.21 U	2.3	5.9 J	2.7	0.045 U	32	1.1	5.8	0.85	2.3	0.7	0.63 U
	10/29/09	ORIG	82	3.9	0.18 U	0.18 U	14 J	0.14 U	0.51	0.15 U	0.27	2	0.2 U	3.6	15	2.3	0.043 U	26	2.5	9.7	1.4	4.3	1.3	0.6 U
	11/24/09	ORIG	130	6.6	0.23	0.2 U	34	0.15 U	0.49	0.17 U	0.44	2.8	0.23	7	22	2.7	0.047 U	35	3.3	19	2.6	8.1	2.6	0.66 U
	12/28/09	ORIG	180	9.7	0.36	0.24 U	69	0.18 U	0.44	0.2 U	0.46	1.6	0.26 U	15	44	2.6	0.056 U	40	1.5	7.4	1.6	4.6	1.5	0.79 U
	01/27/10	ORIG	100	5.4	0.23	0.2 U	34	0.14 U	0.48	0.16 U	0.41	3.1	0.22 U	7.6 J	19	2.5	0.046 U	30	1.7	10	1.5	4.2	1.3	0.64 U
	02/24/10	ORIG	40	2.1	0.2 U	0.2 U	14	0.14 U	0.53	0.16 U	0.19	5	0.22 U	3.5	8.9	2.6 J	0.046 U	16	1.5	5.4	0.86	2.8	0.91	0.64 U
	03/31/10	ORIG	16 J	0.95 J	0.15 UJ	0.15 UJ	6.1 J	0.13 J	0.44 J	0.12 UJ	0.13 UJ	1.1 J	0.16 UJ	2.1 J	4.4 J	2.2 J	0.034 UJ	14 J	0.65 J	7.3 J	0.41 J	0.97 J	0.3 J	0.48 UJ
	04/28/10	ORIG	23	1.4	0.19 U	0.19 U	6.9 J	0.14 U	0.41	0.16 U	0.17 U	3.4	0.2 U	2.2	4.8 J	2.4	0.044 U	19	0.47	1.6	0.37	0.8	0.22	0.62 U
	05/27/10	ORIG	26	1.3	0.18 U	0.18 U	8.5 J	0.13 U	0.53	0.15 U	0.2	1.4	0.19 U	2.7	5.2	2.8	0.041 U	18	0.72	3.8	0.63	1.5	0.46	0.58 U
	06/18/10	ORIG	1.8	0.17 U	0.17 U	0.17 U	0.24	0.12	0.38	0.14 U	0.16	1.1 U	0.19 U	1.4	0.7	2.3	0.04 U	22	0.61	3.7	0.35	0.84	0.36	0.56 U
	06/24/10	ORIG	1.3	0.18 U	0.18 U	0.18 U	0.22	0.13 U	0.42	0.15 U	0.16 U	1.3	0.2 U	1.8	0.7	2.7	0.042 U	25	0.75	3.7	0.32	0.65	0.2	0.59 U

**Table 1**  
**Omega Chemical Superfund Site**  
**Volatile Organic Compounds (VOCs) Analytical Summary**  
**Indoor Air Analytical Results**

Sample Location	Sample Date	Sample Type	PCE	TCE	1,1,1-TCA	1,1,2-TCA	1,1-DCE	1,2-DCA	CTC	CBN	CFM	MC	1,4-DCB	Freon 11	Freon 113	Freon 12	VC	Acetone	Benzene	Toluene	Ethyl benzene	m,p-Xylenes	o-Xylene	MTBE
	07/01/10	ORIG	1.1	0.18 U	0.18 U	0.18 U	0.17	0.14 U	0.4	0.15 U	0.2	1.8	0.2 U	1.8	0.66	2.6	0.043 U	34	1.1	6.6	0.6	1.5	0.44	0.6 U
	07/08/10	ORIG	0.62	0.2 U	0.2 U	0.2 U	0.072 U	0.15 UU	0.39	0.17 U	0.18 U	2	0.22 U	1.7	0.75	2.6	0.047 U	30	0.81	2.6	0.37	0.74	0.29	0.66 U
	07/28/10	ORIG	1.1	0.15 U	0.15 U	0.15 U	0.19	0.11 U	0.43	0.13 U	0.14	1.3	0.17 U	1.3	0.46	2	0.036 U	28	1.1	5.8	1	3.3	1.1	0.51 U
	08/27/10	ORIG	0.69	0.17 U	0.18 U	0.18 U	0.14	0.13 U	0.41	0.15 U	0.24	2	0.19 U	1.6 J	0.7	2.3	0.041 U	20	1.2	4.4	0.6	1.4	0.45	0.58 U
	09/29/10	ORIG	0.92	0.17 U	0.18 U	0.18 U	0.24	0.13 U	0.45	0.15 U	0.22	1.8	0.19 U	2	0.87	2.8	0.041 U	31	2	6.6	1	2.5	0.84	0.58 U
	10/27/10	ORIG	0.77	0.18 U	0.18 U	0.18 U	0.19	0.14 U	0.45	0.15 U	0.19	1.4	0.2 U	2	1.6	2.6	0.043 U	18	2	5.9	1	3	0.9	0.6 U
	11/30/10	ORIG	1.9	0.17 U	0.18 U	0.18 U	0.51	0.18	0.43 J	0.15 U	0.17	1.2	0.19 U	1	0.61	2.4	0.041 U	21	2.5	7.2	1.4	4.6	1.4	0.58 U
	12/28/10	ORIG	1.6	0.18 U	0.18 U	0.18 U	0.2	0.26	0.47 J	0.15 U	0.18	1.7	0.2 U	1.4	0.66	2.6	0.042 U	26	3.3	22	2.2	5.6	2.2	0.59 U
	01/26/11	ORIG	8.4	0.17 U	0.18 U	0.18 U	0.23	0.13 U	0.5 J	0.15 U	0.25	2.7	0.19 U	1.8	1.2	2.6	0.041 U	35	3.6	12	2	6.2	1.6	0.58 U
	02/28/11	ORIG	0.83	0.19 U	0.19 U	0.19 U	0.14 J	0.14	0.38	0.16 U	0.17 U	1.2 U	0.21 U	1.5	0.64	2.4	0.045 U	13	1.5	4.3	0.89	2.7	0.91	0.63 U
	03/30/11	ORIG	1.4	0.18 U	0.18 U	0.18 U	0.28 J	0.14 U	0.46	0.15 U	0.31	1.7	0.2 U	0.83	0.6	2.3	0.043 U	19	1.5	6.9	1.1	3.4	1	0.6 U
	04/29/11	ORIG	0.64 J	0.17 U	0.18 U	0.18 U	0.088	0.13 U	0.47 J	0.15 U	0.22 J	1.8	0.19 J	2 J	2.6 J	3	0.041 U	21 J	0.87 J	5.2 J	0.74 J	1.6 J	0.47 J	0.58 U
	04/29/11	DUP	0.26 J	0.17 U	0.17 U	0.17 U	0.07	0.14	0.5	0.14 U	1.8 J	1.1	0.19 UJ	2	1.2 J	3	0.04 U	16 J	0.55 J	2.1 J	0.18 J	0.43 J	0.15 J	0.56 U
	05/31/11	ORIG	2	0.2 U	0.2 U	0.2 U	0.38	0.15 UJ	0.53 J	0.17 U	0.2	2.2	0.22 U	1.3	1.7	2.7	0.047 U	20	1.7	6.8	1.2	3.6	1.2 J	0.66 U
	06/29/11	ORIG	0.87	0.18 U	0.18 U	0.18 U	0.09	0.13	0.5	0.15 U	0.16 U	1.4	0.2 UJ	1.3	1.7	2.5	0.042 U	21	0.88	3.8	0.97	2.9	1	0.6 U
	07/27/11	ORIG	0.58	0.16 U	0.16 U	0.16 U	0.062	0.12 U	0.5 J	0.13 U	0.14 U	1.4	0.18 UJ	1.2	5.9	2.4	0.037 U	19	0.49	2.9	0.75	2.1	0.67	0.53 U
	08/31/11	ORIG	0.98	0.17 U	0.17 U	0.17 U	0.092	0.14	0.61	0.14 U	0.17	1.3	0.19 UJ	1.8	3	3	0.04 U	27	0.7	3	0.68	1.7	0.58	0.56 U
	09/27/11	ORIG	0.91	0.18 U	0.19 U	0.19 U	0.093	0.17	0.49	0.16 U	0.35	2.3	0.2 U	1.5	0.7	2.6	0.044 U	43	2	7.5	1.6	5.1	1.7	0.62 U
	12/21/11	ORIG	0.65	0.19 U	0.19 U	0.19 U	0.069 U	0.27	0.62	0.16 U	0.21	1.2 U	0.21 U	1.4	0.98	2.9	0.045 U	37	2.8	8.4	1.5	4.8	1.5	0.63 U
	03/28/12	ORIG	0.34	0.18 U	0.19 U	0.19 U	0.068 U	0.14 U	0.68	0.16 U	0.17 U	1.7 J	0.2 U	1.2	0.56	2.2	0.044 U	12	1.3	6.1	1.1	3.7	1.2 J	0.62 U
<b>Warehouse</b>																								
	09/08/06	ORIG	7.1	0.44	0.18 U	0.18 U	3.6	0.13 U	0.54	0.15 U	0.16 U	1.1 U	0.19 U	2.2	3.4	2.9	0.041 U	31	1.2	6.9	1	3.7	1.4	0.58 U
	03/03/09	ORIG	6	0.48	0.18 U	0.18 U	2.4	0.14 U	0.53	0.15 U	0.16 U	1.2 U	0.2 U	2.9	2.3	2.4	0.043 U	12	1.4	6.3	0.85	2.7	1	0.6 U
	07/16/09	ORIG	4.3	0.32	0.2 U	0.2 U	0.96	0.15 U	0.58	0.17 U	0.18 U	1.3 U	0.22 U	1.8	0.92	2.5	0.047 U	23	1.2	5.2	0.56	1.4	0.5	0.66 U
	08/25/09	ORIG	5.7	0.72	0.18 U	0.18 U	1.2	0.14 U	0.78	0.77 U	0.28	1.2	1.3	1.9	1.4	2.4	0.043 U	22	2.3	8.6	1.4	3.8	1.4	0.6 U
	09/30/09	ORIG	8.5	0.69	0.2 U	0.2 U	1.8	0.14 U	0.6	0.16 U	0.17 U	1.2 U	0.22 U	1.8	2.6 J	2.8	0.046 U	18	0.9	4.1	0.42	0.94	0.33	0.64 U
	10/29/09	ORIG	8.9	0.82	0.16 U	0.16 U	1.5 J	0.12 U	0.5	0.14 U	0.17	1 U	0.18 U	1.6	6.1	2.5	0.038 U	21	2	8.8	0.8	2.4	0.84	0.54 U
	11/24/09	ORIG	9.5	0.72	0.19 U	0.19 U	1.8	0.14 U	0.46	0.16 U	0.24	1.2 U	0.2 U	1.9	1.9	2.5	0.044 U	29	2	9.3	1.1	3.2	1.1	0.62 U
	12/28/09	ORIG	20	0.93	0.19 U	0.19 U	5.8	0.14 U	0.43	0.16 U	0.17 U	1.2 U	0.21 U	2.8	5.4	2.4	0.044 U	20	1.1	3.8	0.65	1.8	0.68	0.62 U
	01/27/10	ORIG	8.4	0.45	0.18 U	0.18 U	2.2	0.13 U	0.45	0.15 U	0.16 U	3	0.2 U	1.9 J	2	2.4	0.042 U	22	0.97	7.5	0.61	1.6	0.6	0.59 U
	02/24/10	ORIG	12	0.78	0.16 U	0.16 U	3.7	0.12 U	0.52	0.14 U	0.15 U	1	0.18 U	2	3.1	2.8 J	0.039 U	14	1.4	6.7	0.76	2.3	0.75	0.55 U
	03/31/10	ORIG	6.9	0.5	0.15 U	0.15 U	2.9	0.13	0.38	0.13 U	0.14 U	2	0.17 U	1.6	2.8	2.3	0.036 U	11	0.47	3.4	0.3	0.97	0.27	0.51 U
	04/28/10	ORIG	2.9	0.28	0.2 U	0.2 U	0.77 J	0.15 U	0.41	0.17 U	0.18 U	1.3 U	0.22 U	1.5	1.3 J	2.5	0.048 U	7.2	0.38	1	0.16 U	0.32 U	0.16 U	0.67 U
	05/27/10	ORIG	3.9	0.34	0.18 U	0.18 U	1.2 J	0.13 U	0.56	0.15 U	0.16 U	1.1 U	0.19 U	1.9	1.5	3	0.041 U	22	0.62	3.1	0.3	0.73	0.24	0.58 U
	06/18/10	ORIG	0.43	0.19 U	0.19 U	0.19 U	0.069 U	0.14 U	0.36	0.16 U	0.17 U	1.2 U	0.21 U	1.3	0.54	2.3	0.045 U	27	0.43	4.1	0.24	0.52	0.18	0.63 U

**Table 1**  
**Omega Chemical Superfund Site**  
**Volatile Organic Compounds (VOCs) Analytical Summary**  
**Indoor Air Analytical Results**

Sample Location	Sample Date	Sample Type	PCE	TCE	1,1,1-TCA	1,1,2-TCA	1,1-DCE	1,2-DCA	CTC	CBN	CFM	MC	1,4-DCB	Freon 11	Freon 113	Freon 12	VC	Acetone	Benzene	Toluene	Ethyl benzene	m,p-Xylenes	o-Xylene	MTBE	
	06/24/10	ORIG	0.34	0.18 U	0.19 U	0.19 U	0.068 U	0.14 U	0.41	0.16 U	0.17 U	1.2 U	0.2 U	1.7	0.63	2.6	0.044 U	30	0.71	3.9	0.25	0.48	0.15	0.62 U	
	07/01/10	ORIG	0.38	0.15 U	0.15 U	0.15 U	0.054 U	0.11 U	0.35	0.12 U	0.16	1.2	0.16 U	1.6	0.53	2.4	0.035 U	27	0.97	4.6	0.3	0.66	0.21	0.49 U	
	07/08/10	ORIG	0.23	0.17 U	0.17 U	0.17 U	0.063 U	0.13 UJ	0.43	0.14 U	0.15 U	1.2	0.19 U	1.8	0.76	2.8	0.04 U	20	0.69	2.3	0.2	0.45	0.19	0.57 U	
	07/28/10	ORIG	0.38	0.16 U	0.16 U	0.16 U	0.059 U	0.12 U	0.48	0.14 U	0.14 U	1.3	0.18 U	1.2	0.46	2	0.038 U	52	0.69	2.5	0.39	1	0.38	0.54 U	
	08/27/10	ORIG	0.38	0.18 U	0.19 U	0.19 U	0.08	0.14 U	0.42	0.16 U	0.19	1.2	0.2 U	1.7	0.72	2.2	0.044 U	16	0.91	3.5	0.38	0.88	0.29	0.62 U	
	09/29/10	ORIG	0.68	0.19 U	0.19 U	0.19 U	0.19 U	0.5	0.14 U	0.49	0.16 U	0.18	1.2	0.21 U	1.8	1.1	2.7	0.045 U	33	1.4	4.8	0.67	1.8	0.63	0.63 U
	10/27/10	ORIG	0.4	0.18 U	0.18 U	0.18 U	0.096	0.14 U	0.44	0.15 U	0.16 U	1.2 U	0.2 U	1.5	1.1	2.7	0.043 U	10	1.6	4.1	0.58	1.6	0.6	0.6 U	
	11/30/10	ORIG	0.87	0.18 U	0.18 U	0.18 U	0.11	0.19	0.45 J	0.15 U	0.16 U	1.1 U	0.2 U	1	0.54	2.5	0.042 U	18	2.2	5.8	0.95	3	0.99	0.59 U	
	12/28/10	ORIG	0.93	0.14 U	0.15 U	0.15 U	0.12	0.11	0.48 J	0.12 U	0.13 U	0.93 U	0.16 U	1.4	0.61	2.7	0.034 U	13	2.2	6	0.76	2.2	0.71	0.48 U	
	01/26/11	ORIG	1.1	0.19 U	0.19 U	0.19 U	0.11	0.14 U	0.46 J	0.16 U	0.18	2.2	0.21 U	1.7	0.73	2.7	0.045 U	24	2.2	6.6	0.83	2.3	0.68	0.63 U	
	02/28/11	ORIG	0.57	0.19 U	0.2 U	0.2 U	0.12 J	0.14 U	0.32	0.16 U	0.17 U	1.2 U	0.22 U	1.6	0.61	2.4	0.046 U	9.3	1.2	2.8	0.44	1.3	0.45	0.64 U	
	03/30/11	ORIG	0.78	0.17 U	0.17 U	0.17 U	0.061 U	0.12 U	0.48	0.14 U	0.22	2.9	0.19 U	1.5	0.72	2.5	0.04 U	21	1.2	9.8	0.69	1.8	0.72	0.56 U	
	04/29/11	ORIG	0.2 J	0.14 UJ	0.15 UJ	0.15 UJ	0.053 UJ	0.15 J	0.47 J	0.12 UJ	0.16 J	7.1 J	0.16 UJ	2 J	0.82 J	3 J	0.034 UJ	13 J	0.62 J	2.5 J	0.29 J	0.65 J	0.2 J	0.48 UJ	
	05/31/11	ORIG	0.96	0.2 U	0.21 U	0.21 U	0.11	0.15 UJ	0.5 J	0.18 U	0.19 U	1.3 U	0.23 U	1.2	0.78	2.5	0.049 U	14	1.2	4.2	0.57	1.6	0.56 J	0.69 U	
	06/29/11	ORIG	0.67	0.18 U	0.18 U	0.18 U	0.071	0.14 U	0.6	0.15 U	0.16 U	1.2	0.2 UJ	1.2	0.66	2.4	0.043 U	15	0.63	2.5	0.38	1.2	0.42	0.6 U	
	07/27/11	ORIG	0.27	0.19 U	0.19 U	0.19 U	0.069 U	0.14 U	0.48 J	0.16 U	0.17 U	1.2 U	0.21 UJ	1.2	0.64	2.4	0.045 U	14	0.44	2	0.25	0.71	0.26	0.63 U	
	08/31/11	ORIG	0.44	0.17 U	0.18 U	0.18 U	0.064 U	0.14	0.61	0.15 U	0.16 U	1.1 U	0.19 UJ	1.8	0.96	3	0.041 U	14	0.68	2.3	0.33	0.89	0.31	0.58 U	
	09/27/11	ORIG	0.74	0.19 U	0.19 U	0.19 U	0.069 U	0.17	0.44	0.16 U	0.28	2	0.21 U	1.3	0.54	2.3	0.045 U	31	1.8	6.1	0.99	3	1.1	0.63 U	
	12/21/11	ORIG	0.45	0.19	0.19 U	0.19 U	0.068 U	0.26	0.76	0.16 U	0.16 J	1.2 U	0.21 U	1.4	0.7	2.8	0.044 U	20	2.6	7.6	1.1	3.6	1.2	0.62 U	
	03/28/12	ORIG	0.24 U	0.19 U	0.19 U	0.19 U	0.069 U	0.14 U	0.69	0.16 U	0.17 U	1.2 UJ	0.21 U	1.3	0.55	2.4	0.045 U	10	0.9	3.4	0.46	1.4	0.51 J	0.63 U	
<b>Former InterHealth/Current Intercommunity Dialysis Center</b>																									
Nurses Station																									
	03/28/12	ORIG	0.22 J	0.18 U	0.18 U	0.18 U	0.067 U	0.14 U	0.78	0.15 U	0.16 U	1.2 UJ	0.2 U	1.3	0.89	2.4	0.043 U	25	0.85	2.7	0.43	1 J	0.38 J	0.6 U	
Open Office																									
	04/29/11	ORIG	0.2 U	0.15 U	0.16 U	0.16 U	0.057 U	0.15	0.44	0.13 U	0.17	2.9	0.17 UJ	20	0.61	2.7	0.037 U	16	0.66	4.8	0.31	0.56	0.18	0.52 U	
Research Area																									
	03/28/12	ORIG	0.23 U	0.18 U	0.18 U	0.18 U	0.067 U	0.14 U	0.64	0.15 U	0.16 U	1.2 UJ	0.2 U	1.3	0.62	2.3	0.043 U	92 E	0.95	3.9	2	4.9 J	2 J	0.6 U	
Waiting Room T11033																									
	04/29/11	SPLIT	0.23	0.095	0.11 U	0.11 U	0.04 U	0.081 U	0.55	0.092 U	0.12	0.69 U	0.12 J	24 J	0.63	18 J	0.026 U	10 J	0.65	2 J	0.35 J	1.1 J	0.44	0.36 U	
	04/29/11	ORIG	0.2 U	0.16 U	0.16 U	0.16 U	0.059 U	0.13	0.47	0.14 U	0.14 U	1 U	0.18 UJ	30 J	0.64	2.7 J	0.038 U	13 J	0.54	1.5 J	0.16 J	0.39 J	0.13 U	0.54 U	
<b>Former OCMA/Current Tomacico</b>																									
Admin Office																									
	09/08/06	ORIG	0.43 U	0.34 U	0.34 U	0.34 U	0.2	0.26 U	0.52	0.29 U	0.66	2.2 U	0.38 U	1.7	1.2	2.9	0.081 U	95	1.2	16	1	3	1.2	1.1 U	
	03/31/10	ORIG	0.61 U	0.48 U	0.49 U	0.49 U	1.1	0.36 U	0.56 U	0.41 U	1.2	3.1 U	0.54 U	6.5	2.3	14	0.11 U	90	0.72 U	3.7	0.44	0.78 U	0.39 U	1.6 U	
	04/29/11	ORIG	0.24	0.18 U	0.18 U	0.18 U	0.065 U	0.13	0.47	0.15 U	1.1	1.1 U	0.2 UJ	2	0.68	2.9	0.042 U	25	0.61	2.2	0.18	0.48	0.16	0.59 U	

**Table 1**  
**Omega Chemical Superfund Site**  
**Volatile Organic Compounds (VOCs) Analytical Summary**  
**Indoor Air Analytical Results**

Sample Location	Sample Date	Sample Type	PCE	TCE	1,1,1-TCA	1,1,2-TCA	1,1-DCE	1,2-DCA	CTC	CBN	CFM	MC	1,4-DCB	Freon 11	Freon 113	Freon 12	VC	Acetone	Benzene	Toluene	Ethyl benzene	m,p-Xylenes	o-Xylene	MTBE
Nurses Station																								
09/08/06	ORIG		0.44	0.35 U	0.35 U	0.35 U	0.23	0.32	0.5	0.3 U	0.57	2.2 U	0.39	1.8	1.6	3.4	0.082 U	99	1.1	17	0.94	3.1	1.3	1.2 U
03/31/10	ORIG		9.5 U	7.5 U	7.6 U	7.6 U	1.6 J	5.7 U	8.8 U	6.4 U	6.8 U	4.9 U	8.4 U	3.5 J	11 U	5.5 J	3.6 U	51	0.79 J	3.7 J	0.57 J	1 J	6.1 U	5 U
04/29/11	ORIG		0.22 U	0.18 U	0.18 U	0.18 U	0.065 U	0.13	0.46	0.15 U	0.55	1.1 U	0.2 UJ	2	0.66	2.9	0.042 U	24	0.62	2.2	0.18	0.51	0.16	0.59 U
Tomacico Admin Office																								
09/27/11	ORIG		0.55	0.18 U	0.18 U	0.18 U	0.089	0.45	0.47	0.15 U	5.6	6.7	0.2 U	2	0.67	2.4	0.043 U	140 E	1.6	14	1.6	6	3.2	0.6 U
03/28/12	ORIG		0.23	0.18 U	0.19 U	0.19 U	0.068 U	0.18	0.75	0.16 U	1.4	1.7 J	0.2 U	2.1	0.55	2.1	0.044 U	110 E	1.3	7	0.85	3.1	1.3 J	0.62 U
<b>Fred R. Rippy Company</b>																								
Front Office																								
07/01/10	ORIG		12	140	0.18 U	0.18 U	9.7	0.6	0.4	0.15 U	0.33	2.1	8.8	4	7.1	2.7	0.043 U	36 J	0.94	3.2	0.3	0.73	0.29	0.6 U
07/01/10	DUP		12	140	0.18 U	0.18 U	10	0.59	0.41	0.15 U	0.33	1.7	9.4	4.1	7.6	2.6	0.043 U	49 J	0.92	3	0.3	0.74	0.25	0.6 U
08/27/10	ORIG		1.2	6.1	0.19 U	0.19 U	0.63	0.25	0.42	0.16 U	0.18	1.2 U	1.1	1.6	0.96	2.2	0.044 U	19	1	3.3	0.37	0.92	0.3	0.62 U
08/27/10	DUP		1.2	6.3	0.18 U	0.18 U	0.64	0.24	0.43	0.15 U	0.18	1.2 U	1.2	1.7	1	2.3	0.043 U	19	1	3.4	0.4	0.95	0.3	0.6 U
11/30/10	ORIG		34 J	2.8	0.15 U	0.15 U	18	0.39	0.42 J	0.12 U	0.39	1.8	4.7	3.5	8.7	2.6	0.035 U	69 J	4.7	12	1.5	5.6	2	0.49 U
11/30/10	DUP		42 J	3.3	0.18 U	0.18 U	22	0.38	0.46 J	0.15 U	0.45	1.1 U	5.2	4.1	10	2.6	0.041 U	99 J	4.8	10	1.4	5	1.8	0.58 U
01/26/11	ORIG		28	2.2	0.21	0.18 U	15	0.48	0.51 J	0.15 U	0.44	2	4.8	4.5	8.4	2.6	0.041 U	170 E	3.3	11	1.5	5.5	1.9	0.58 U
01/26/11	DUP		29	2.3	0.21	0.18 U	15	0.39	0.52 J	0.15 U	0.45	1.9	5.2	4.5	8.5	2.7	0.043 U	170 E	3.3	11	1.5	5.6	2.1	0.6 U
02/28/11	ORIG		25 J	2.1 J	0.15 U	0.15 U	18 J	0.2	0.37	0.12 U	0.42	0.92 J	2.9	4.4 J	8.2 J	2.5	0.034 U	27 J	2.4	7 J	1 J	3.5 J	1.2 J	0.48 U
02/28/11	DUP		47 J	3.8 J	0.18 U	0.18 U	33 J	0.25	0.41	0.15 U	0.52	1.1 U	3.2	6.8 J	14 J	2.4	0.041 U	44 J	2	5.7 J	0.81 J	2.7 J	0.92 J	0.58 U
03/30/11	ORIG		36	2.9	0.35 U	0.35 U	31 J	0.48	0.5	0.3 U	0.46	2.2 U	15 J	4.7	12	2.5	0.082 U	100	1.2	5.1	0.56	1.6	0.55 J	1.2 U
03/30/11	DUP		36	3	0.35 U	0.35 U	30 J	0.37	0.51	0.3 U	0.45	2.2 U	6.6 J	4.6	12	2.6	0.082 U	100	1.3	5.2	0.54	1.5	0.48 J	1.2 U
04/29/11	ORIG		31	2.4	0.19 U	0.19 U	18	0.34 J	0.47 J	0.16 U	0.43	1.2 U	9.7 J	5.8 J	9.2	2.8	0.044 U	38	0.63	3.8 J	0.25 J	0.64 J	0.2	0.62 U
04/29/11	DUP		27	2.1	0.18 U	0.18 U	15	0.6 J	0.45 J	0.15 U	0.39	1.2	8.4 J	5.1 J	7.8	2.7	0.041 U	35	0.68	10 J	0.56 J	1 J	0.32	0.58 U
05/31/11	ORIG		45	3.1	0.25	0.18 U	23	0.3 J	0.51 J	0.15 U	0.51	1.1 U	24	3.1	7.7	2.5	0.042 U	38	1.2	4.7	0.64	2	0.71 J	0.59 U
06/29/11	ORIG		24	1.8	0.17 U	0.17 U	11	0.41	0.54	0.14 U	0.29	1.1 U	13 J	2.6	4.3	2.5	0.039 U	58	0.71	2.8	0.45	1.4	0.59	0.55 U
07/27/11	ORIG		19	1.4	0.16 U	0.16 U	8.9	0.12 U	0.56 J	0.13 U	0.28	1.2	15 J	2.4	3.7	2.5	0.037 U	26	0.42	1.8	0.32	0.99	0.37	0.53 U
08/31/11	ORIG		24	1.8	0.17 U	0.17 U	11	0.45	0.63	0.14 U	0.33	1.2	15 J	6.7	4.5	2.9	0.04 U	32	0.61	2.5	0.39	1.1	0.4	0.57 U
09/27/11	ORIG		22	1.8	0.19 U	0.19 U	11	0.39	0.49	0.16 U	0.5	2.3	13	2.7	3.9	2.5	0.044 U	49	2.1	7.4	1.4	5	2.2	0.62 U
09/27/11	DUP		21	1.8	0.18 U	0.18 U	10	0.39	0.48	0.15 U	0.5	2.3	12	2.7	4	2.5	0.043 U	48	2	7.2	1.3	4.7	2.1	0.6 U
10/28/11	ORIG		26	2.1	0.18 U	0.18 U	13	0.34 J	0.51	0.15 U	0.51	1.6	1.8 J	3.1	4.5	2.6	0.043 U	78	3.2	10	1.4 J	4.6 J	1.6 J	0.6 U
10/28/11	DUP		26	2	0.17 U	0.17 U	12	0.32 J	0.5	0.14 U	0.51	1.7	6.7 J	2.8	4.3	2.5	0.04 U	73	3.1	10	1.9 J	7.2 J	2.7 J	0.57 U
11/30/11	ORIG		85	6.4	0.2 U	0.2 U	37	0.42	0.5	0.17 U	0.95	2.1	6.7 J	5.7	14	2.5	0.047 U	77 J	3.2	12	1.9	6.1	2.2	0.66 U
11/30/11	DUP		84	6.3	0.2 U	0.2 U	37	0.43	0.5	0.17 U	0.99	2	5 J	5.5	14	2.5	0.047 U	100 E	3.2	12	1.8	6	2.2	0.66 U
12/21/11	ORIG		35	2.6	0.18 U	0.18 U	16	0.38	0.8	0.16 U	0.45	1.2 U	5.5 J	3.4	6.5	2.6	0.043 U	27	3	9.6	1.5	5.4	1.8	0.61 U
12/21/11	DUP		35	2.8	0.18 U	0.18 U	18	0.42	0.87	0.16 U	0.48	1.2 U	2.7 J	3.6	6.9	2.8	0.043 U	32	3.3	10	1.5	5.1	1.7	0.61 U

**Table 1**  
**Omega Chemical Superfund Site**  
**Volatile Organic Compounds (VOCs) Analytical Summary**  
**Indoor Air Analytical Results**

Sample Location	Sample Date	Sample Type	PCE	TCE	1,1,1-TCA	1,1,2-TCA	1,1-DCE	1,2-DCA	CTC	CBN	CFM	MC	1,4-DCB	Freon 11	Freon 113	Freon 12	VC	Acetone	Benzene	Toluene	Ethyl benzene	m,p-Xylenes	o-Xylene	MTBE
	01/31/12	ORIG	37	2.8	0.18 U	0.18 U	18	0.14 U	0.53	0.16 U	0.38	1.2 U	8	3.4	7	2.4	0.043 U	22	1.5	5.5	0.8	2.9	0.96	0.61 U
	01/31/12	DUP	36	2.8	0.18 U	0.18 U	18	0.14 U	0.52	0.16 U	0.38	1.2 U	7.5	3.3	6.9	2.5	0.043 U	23	1.5	5.6	0.78	2.8	0.95	0.61 U
	02/29/12	ORIG	23	1.8	0.18 U	0.18 U	6	0.14 U	0.58	0.15 U	0.39	1.2 U	9.3	2	2.5	2.7	0.043 U	24	1.6	6.7	0.96 J	3.4 J	1.2 J	0.6 U
	02/29/12	DUP	24	1.8	0.19 U	0.19 U	5.9	0.19	0.59	0.16 U	0.37	1.2 U	9.2	1.9	2.4	2.5	0.044 U	25	1.6	6.6	0.94 J	3.3 J	1.2 J	0.62 U
	03/28/12	ORIG	0.87	0.18 U	0.18 U	0.18 U	0.067 U	0.19	0.74	0.15 U	0.19	1.2 UJ	17	1.2	0.58	2.3	0.043 U	24 J	1.4	5.4	0.74	2.6	0.89 J	0.6 U
	03/28/12	DUP	0.85	0.18 U	0.18 U	0.18 U	0.065 U	0.19	0.65	0.15 U	0.18	1.1 UJ	20	1.2	0.56	2.3	0.042 U	19 J	1.4	5.2	0.75	2.7	0.94 J	0.59 U
	04/30/12	ORIG	0.63	0.18 U	0.19 U	0.19 U	0.068 U	0.29	0.37	0.16 U	0.17 U	1.2 U	9.2	1	0.41	0.17 U	0.044 U	26	0.52	2.7	0.3	0.84	0.28	0.62 U
	04/30/12	DUP	0.58	0.18 U	0.18 U	0.18 U	0.067 U	0.23	0.42	0.15 U	0.16 U	1.2 U	9	1	0.57	0.17 U	0.043 U	28	0.54	2.7	0.28	0.83	0.36	0.6 U
Production Area																								
	07/01/10	ORIG	14	990	4.7 U	4.7 U	5.7	3.5 U	5.4 U	3.9 U	4.2 U	5.1	5.1 U	4.8 U	6.6 U	4.2 U	2.2 U	30	2.7 U	4.6	3.7 U	3.7 U	3.7 U	3.1 U
	08/27/10	ORIG	5.9	130	0.19 U	0.19 U	2.4	0.14 U	0.4	0.16 U	0.17	1.4	1	2	1.8	2.3	0.044 U	16	1	2.9	0.35	0.89	0.28	0.62 U
	11/30/10	ORIG	37	3.7	0.45	0.15 U	14	0.21	0.42 J	0.43	0.36	1.2	12	2.9	6.6	2.5	0.034 U	140 E	8.4	19	1.8	6.7	2.8	0.48 U
	01/26/11	ORIG	30	2.5	0.61	0.19 U	9.5	0.26	0.51 J	0.18	0.4	1.9	6.6	3.7	5.4	2.6	0.045 U	270 E	2.8	16	1.8	6.2	2.4	0.63 U
	02/28/11	ORIG	51	4.3	0.28	0.18 U	24 J	0.24	0.41	0.15 U	0.44	1.1 U	1.5	5	9.2	2.3	0.042 U	160 E	2	6.1	0.71	2.2	0.72	0.59 U
	03/30/11	ORIG	32	3	1.5 U	1.5 U	10 J	1.1 U	1.7 U	1.2 U	1.3 U	9.4 U	19	3.9	5.2	2.4	0.35 U	140	2.2 U	5.1	1.2 U	2.4 U	1.2 U	4.9 U
	04/29/11	ORIG	10	0.77	0.19 U	0.19 U	3.1	0.15	0.44 J	0.16 U	0.16	1.2 U	2.7 J	2.6 J	1.9	2.8	0.044 U	210 E	0.66	3.9	0.22	0.58	0.19	0.62 U
	05/31/11	ORIG	35	2.3	1.2	0.18 U	13	0.14 J	0.5 J	0.15 U	0.4	1.6	29	2.5	4.8	2.5	0.043 U	32	1.2	5.2	0.69	2.6	1.1 J	0.6 U
	06/29/11	ORIG	13	0.96	0.18 U	0.18 U	3.8	0.13 U	0.53	0.15 U	0.2	1.2 U	2.6 J	1.8	1.8	2.5	0.042 U	130 E	0.74	9.9	1.5	2.7	0.81	0.6 U
	07/27/11	ORIG	6.7	0.48	0.16 U	0.16 U	1.9	0.12 U	0.57 J	0.14 U	0.14 U	1.3	5.2 J	1.5	1.1	2.6	0.038 U	13	0.45	1.6	0.25	0.8	0.29	0.54 U
	08/31/11	ORIG	16	1	0.16 U	0.16 U	4.2	0.13	0.55	0.14 U	0.21	4.2	4.3 J	11	1.8	2.8	0.038 U	24	0.7	4.1	0.51	1.5	0.64	0.54 U
	09/27/11	ORIG	24	1.8	0.18 U	0.18 U	7.6	0.16	0.47	0.15 U	0.5	2.8	4.4	2.4	3	2.5	0.043 U	45	2.2	6.7	1.1	3.7	1.5	0.6 U
	10/28/11	ORIG	20	1.6	0.18 U	0.18 U	6.6	0.15 J	0.5	0.15 U	0.41	1.4	3.4 J	2	2.4	2.5	0.043 U	150 E	3.6	11	2.3	8	3.1	0.6 U
	11/30/11	ORIG	82	5.4	0.2 U	0.2 U	23	0.18	0.47	0.17 U	0.74	1.8	5.6 J	4	7.5	2.4	0.047 U	92 E	2.8	9.6	1.5	5	1.9	0.66 U
	12/21/11	ORIG	17	2	0.18 U	0.18 U	10	0.3	0.72	0.15 U	0.39	1.4	0.19 U	2.5	3.7	2.7	0.041 U	37	2.5	3.6	0.14 U	0.28 U	0.14 U	0.58 U
	01/31/12	ORIG	30	2.1	0.18 U	0.18 U	10	0.14 U	0.6	0.15 U	0.26	1.2 U	14	2.3	3.2	2.5	0.043 U	15	1.2	6.1	0.69	2.7	1	0.6 U
	02/29/12	ORIG	16	1.2	0.18 U	0.18 U	2.7	0.14	0.59	0.15 U	0.26	1.2 U	18	1.5	1.2	2.5	0.043 U	31	1.6	11	1.4 J	5.8 J	2 J	0.6 U
	03/28/12	ORIG	0.8	0.16 U	0.16 U	0.16 U	0.075	0.12 U	0.72	0.14 U	0.18	1 UJ	24	1.2	0.65	2.4	0.039 U	15	1.3	6	0.62	2.2	0.77 J	0.55 U
	04/30/12	ORIG	0.24	0.18 U	0.18 U	0.18 U	0.067 U	0.14 U	0.4	0.15 U	0.16 U	1.2 U	1	1	0.58	0.17 U	0.043 U	23	0.58	3.5	0.27	0.83	0.36	0.6 U
Warehouse																								
	07/01/10	ORIG	12	410	7.6 U	7.6 U	5.6 U	5.7 U	8.8 U	6.4 U	6.8 U	4.9 U	8.4 U	7.9 U	11 U	6.9 U	3.6 U	47	4.5 U	9.2	6.1 U	6.1 U	6.1 U	5 U
	08/27/10	ORIG	11	65	1.8 U	1.8 U	2	1.4 U	2.1 U	1.5 U	1.6 U	12 U	2 U	2.6	2.8	2.3	0.43 U	24	2.7 U	7.7	1.4 U	3.2	1.5	6 U
	11/30/10	ORIG	13	1.9	0.94	0.18 U	4.6	0.18	0.46 J	0.53	0.27	1.1 U	6.9	2.1	4.4	2.4	0.042 U	27	3	24	1.3	4.6	2	0.59 U
	01/26/11	ORIG	12	2.1	0.91	0.18 U	3.3	0.2	0.5 J	0.47	0.29	1.6	5.6	2.6	3.1	2.6	0.042 U	59	3	20	2	6.8	2.7	0.59 U
	02/28/11	ORIG	9.7	1.4	0.9	0.16 U	4 J	0.13	0.43	0.15	0.25	1 U	1	2.4	2.8	2.4	0.037 U	21	1.9	10	0.76	2.5	0.92	0.53 U
	03/30/11	ORIG	9.2	3.5	1.7 U	1.7 U	2.6 J	1.3 U	2 U	1.4 U	1.5 U	11 U	4.7	2.6	2.4 J	2.5	0.4 U	32	2.5 U	5.4	1.4 U	2.7 U	1.4 U	5.7 U

**Table 1**  
**Omega Chemical Superfund Site**  
**Volatile Organic Compounds (VOCs) Analytical Summary**  
**Indoor Air Analytical Results**

Sample Location	Sample Date	Sample Type	PCE	TCE	1,1,1-TCA	1,1,2-TCA	1,1-DCE	1,2-DCA	CTC	CBN	CFM	MC	1,4-DCB	Freon 11	Freon 113	Freon 12	VC	Acetone	Benzene	Toluene	Ethyl benzene	m,p-Xylenes	o-Xylene	MTBE
	04/29/11	ORIG	1.6	1.7	0.21	0.15 U	0.31	0.11 U	0.48 J	0.12 U	0.15	0.93 U	2.9 J	2 J	1.1	2.8	0.034 U	15	0.57	1.4	0.27	0.96	0.38	0.48 U
	05/31/11	ORIG	4.4	0.39	0.78	0.18 U	1.2	0.13 UJ	0.52 J	0.15 U	0.26	1.3	6	1.4	1.2	2.6	0.042 U	18	1.4	5.6	0.76	3	1.3 J	0.59 U
	06/29/11	ORIG	6.8	0.6	0.18 U	0.18 U	1.7	0.14 U	0.53	0.15 U	0.16 U	1.2 U	0.22 J	1.6	1.4	2.4	0.043 U	23	0.62	2.9	0.49	1.4	0.54	0.6 U
	07/27/11	ORIG	6.2	0.52	0.16 U	0.16 U	1.5	0.12 U	0.5 J	0.14 U	0.14 U	1.3	1.3 J	1.4	1.2	2.2	0.038 U	9.1	0.68	2.7	0.43	1.2	0.48	0.54 U
	08/31/11	ORIG	11	0.86	0.18 U	0.18 U	2.7	0.13 U	0.6	0.15 U	0.22	1.1 U	3.5 J	9.9	2.1	3	0.041 U	14	0.72	2.1	0.38	1.1	0.48	0.58 U
	09/27/11	ORIG	11	1.1	0.19 U	0.19 U	3.2	0.15	0.5	0.16 U	0.46	2.4	1.2	2	2.1	2.3	0.044 U	34	2.2	6.4	0.97	2.9	1.1	0.62 U
	10/28/11	ORIG	8.4	0.77	0.18 U	0.18 U	2.4	0.14 J	0.49	0.15 U	0.34	1.3	1 J	1.7	1.6	2.4	0.042 U	45	3	9.4	1.6	6.1	2.2	0.59 U
	11/30/11	ORIG	34	3.1	0.18 U	0.18 U	10	0.3	0.39	0.15 U	0.65	2.4	5 J	3	5.3	2.4	0.043 U	100 E	3.3	16	2.1	6.7	2.4	0.6 U
	12/21/11	ORIG	11	1.1	0.18 U	0.18 U	3.8	0.22	0.78	0.15 U	0.3	1.1 U	5	2	2.2	2.8	0.042 U	30	3.6	13	1.8	6.2	2.1	0.59 U
	01/31/12	ORIG	9.6	0.83	0.18 U	0.18 U	2.9	0.13 U	0.6	0.15 U	0.18	1.2 U	5	1.6	1.7	2.5	0.042 U	15	1.5	5	0.85	3.2	1.2	0.6 U
	02/29/12	ORIG	3.8	0.42	0.18 U	0.18 U	0.64	0.13 U	0.22	0.15 U	0.16 U	1.1 U	29	1.4	0.83	2.5	0.042 U	38	1.7	9.1	1.8 J	7.9 J	2.6 J	0.59 U
	03/28/12	ORIG	1.2	0.2	0.18 U	0.18 U	0.11	0.13 U	0.77	0.15 U	0.17	1.1 UJ	7.7	1.3	0.72	2.4	0.042 U	12	1.6	4.5	0.68	2.4	0.83 J	0.59 U
	04/30/12	ORIG	0.32	0.18 U	0.18 U	0.18 U	0.067 U	0.14 U	0.42	0.15 U	0.16 U	1.2 U	0.2 U	1.1	0.6	0.17 U	0.043 U	16	0.56	1.6	0.24	0.73	0.27	0.6 U
<b>LA Carts</b>																								
Admin Office																								
	09/08/06	ORIG	0.24	1.2	0.15 U	0.15 U	0.06	0.11 U	0.5	0.12 U	0.14	5.2	0.16	1.5	0.7	2.6	0.034 U	74 E	1.6	10	1.2	4.5	1.7	0.48 U
	03/31/10	ORIG	0.25 U	0.66	0.2 U	0.2 U	0.2	0.16	0.38	0.17 U	0.18 U	1.6	0.22 U	1	0.79	2	0.048 U	12	0.55	5.7	0.2	0.46	0.16 U	0.67 U
Large Production Room																								
	09/08/06	ORIG	1.6	0.38 U	0.39 U	0.39 U	2.5	0.29 U	0.52	0.33 U	0.37	5.9	0.43 U	2.9	8.7	3.2	0.092 U	480 E	2.2	210	2	7.3	2.6	1.3 U
	03/31/10	ORIG	0.25	0.28	0.18 U	0.18 U	0.74	0.13 U	0.38	0.15 U	0.16 U	1.1 U	0.2 U	1.2	1.4	2	0.042 U	15	0.55	43	0.35	0.94	0.23	0.59 U
Small Production Room																								
	09/08/06	ORIG	1.1 U	0.88 U	0.89 U	0.89 U	3.6	0.66 U	1 U	0.76 U	0.8 U	5.7 U	0.99 U	3.2	14	2.9	0.21 U	1200 E	1.3	570	0.95	2.9	1	3 U
	03/31/10	ORIG	0.24 J	0.2 U	0.2 U	0.2 U	0.79	0.15 U	0.38	0.17 U	0.18 U	1.3 U	0.22 U	1.3	1.5	2.1	0.047 U	13	0.58	52	0.22	0.4	0.16 U	0.66 U
<b>Madsen Roofing</b>																								
Office																								
	07/23/08	ORIG	2.5	0.96	0.19	0.18 U	0.21	0.2	0.44	0.15 U	0.27	1.1 U	0.2 U	1.2	1	2.1	0.042 U	37	1.5	6.3	4.4	12	1.9	0.59 U
	07/23/08	DUP	1.6 J	0.19 J	0.15 UJ	0.15 UJ	0.053 UJ	0.11 UJ	0.43 J	0.12 UJ	0.16 J	0.93 UJ	0.16 UJ	1.3 J	0.81 J	2.2 J	0.034 UJ	18 J	0.77 J	4 J	7.3 J	21 J	2.9 J	0.48 UJ
	03/03/09	ORIG	2.3	0.37	0.18 U	0.18 U	0.26	0.13 U	0.53	0.15 U	0.17	1.1 U	0.2 U	2.5	0.96	2.5	0.042 U	23	1.7	9.5	1.3	4.7	1.7	0.59 U
	03/31/10	ORIG	5	0.53	0.2 U	0.2 U	0.78	0.16	0.42	0.17 U	0.36	1.3 U	0.22 U	1.3	1.7	2.1	0.048 U	32	2.6	8.3	0.95	3	1.1	0.67 U
	09/29/10	ORIG	0.51	0.19 U	0.2 U	0.2 U	0.16	0.14 U	0.44	0.16 U	0.18	1.6	0.22 U	2	0.84	2.9	0.046 U	30	5.4	10	1.4	4.2	1.4	0.64 U
	03/30/11	ORIG	0.47	0.15 U	0.16 U	0.16 U	0.46 J	0.18	0.44	0.13 U	0.18	2.5	0.17 U	1.9	0.8	2.5	0.037 U	40	7.6	14	1.8	6.3	2.7 J	0.52 U
	09/27/11	ORIG	0.65	0.19 U	0.2 U	0.2 U	0.071 U	0.16	0.44	0.16 U	0.3	2.5	0.22 U	1.5	0.56	2.3	0.046 U	50	3.3	7.8	1.2	3.9	1.5	0.64 U
	03/28/12	ORIG	0.21 U	0.17 U	0.17 U	0.17 U	0.063 U	0.13 U	0.69	0.14 U	0.16	1.1 UJ	0.19 U	1.2	0.57	2.3	0.04 U	33	2.1	9	1.3	4.7	1.7 J	0.57 U
Warehouse																								
	07/23/08	ORIG	1.6	0.28	0.19 U	0.19 U	0.069 U	0.14 U	0.44	0.16 U	0.17 U	1.2 U	0.21 U	1.3	0.81	2.4	0.045 U	18	0.94	4.2	13	37	4.9	0.63 U

**Table 1**  
**Omega Chemical Superfund Site**  
**Volatile Organic Compounds (VOCs) Analytical Summary**  
**Indoor Air Analytical Results**

Sample Location	Sample Date	Sample Type	PCE	TCE	1,1,1-TCA	1,1,2-TCA	1,1-DCE	1,2-DCA	CTC	CBN	CFM	MC	1,4-DCB	Freon 11	Freon 113	Freon 12	VC	Ethyl Acetone Benzene	Toluene benzene	m,p-Xylenes	o-Xylene	MTBE		
			6.1 U	4.83 U	4.91 U	4.91 U	3.57 U	3.64 U	5.66 U	4.14 U	4.39 U	23.95	5.41 U	5.06 U	6.9 U	4.45 U	2.3 U	--	2.87 U	3.39 U	3.91 U	7.38 U	3.91 U	--
	07/23/08	EPA																						
<b>Medlin &amp; Son</b>																								
Front office area																								
05/11/04	ORIG	4.3	2.7	0.46 U	0.46 U	5.1	0.34 U	0.67	0.39 U	0.42 U	3.9	0.95	8.7	40	2.6 J	0.11 U	3400 E	1	5.3	0.79	2.2	0.87	1.5 U	
09/14/05	ORIG	22	14	0.18 U	0.18 U	10	0.13 U	0.84	0.15 U	0.27	1.7	0.2	12	34	1.8	0.041 U	530 E	1	7.4	0.72	2.5	0.9	0.58 U	
03/03/09	ORIG	17	6.6	0.36 U	0.36 U	4.4	0.27 U	0.52	0.31 U	0.33 U	34	0.49	4.8	9.8	2.5	0.086 U	3800 E	1.7	8.8	3.8	7.5	2.2	1.2 U	
03/03/09	EPA	13.6 U	10.7 U	10.9 U	10.9 U	7.9 U	8.1 U	12.6 U	9.2 U	9.8 U	6.9 U	12 U	11.2 U	15.3 U	9.9 U	5.1 U	--	6.4 U	10.2	8.7 U	17.8 U	8.7 U	--	
03/31/10	ORIG	23	10	0.18 U	0.18 U	4.3	0.17	0.37	0.15 U	0.16 U	2.3	0.19 U	3	8.9	2.2	0.041 U	170 E	0.54	2.3	3.8	15	3.7	0.58 U	
09/29/10	ORIG	0.88	0.34	0.18 U	0.18 U	0.57	0.13 U	0.42	0.15 U	0.21	1.8	0.2 U	2.1	1.5	2.7	0.042 U	390 E	1.7	5.2	1.7	4	1.5	0.59 U	
03/30/11	SPLIT	2.3 J	0.74 J	0.11 U	0.11 U	0.4 J	0.098	0.56	0.092 U	0.32 J	5.2	0.22	1.6	0.92	2.7	0.026 U	52	1.8 J	6.5 J	1.8 J	5.3 J	2.2 J	0.36 U	
03/30/11	ORIG	1.6 J	0.59 J	0.18 U	0.18 U	0.93 J	0.13 U	0.5	0.15 U	0.23 J	4.9	0.24	1.7	1	2.6	0.041 U	60	1.3 J	5.2 J	0.95 J	3.2 J	1.3 J	0.58 U	
09/27/11	SPLIT	0.62	0.18	0.11 U	0.41	0.054	0.095 J	0.56	0.092 U	0.37	51 J	0.2	1.2 J	0.72	3.2	0.026 U	57	2.1	9.5 J	1.8 J	7.1 J	3.1 J	0.36 U	
09/27/11	ORIG	0.64	0.2 U	0.2 U	0.2 U	0.074 U	0.16 J	0.5	0.17 U	0.32	34 J	0.22 U	1.5 J	0.61	2.7	0.048 U	68	1.9	6.8 J	1.3 J	4.6 J	1.7 J	0.67 U	
03/28/12	SPLIT	0.35 J	0.1	0.11 U	0.11 U	0.044	0.11	0.55 J	0.092 U	0.22	33	0.16	1.4	0.64	2.7 J	0.026 U	300	1.7 J	6.1	1.8 J	6.1	2.3 J	0.36 U	
03/28/12	ORIG	0.21 J	0.16 U	0.16 U	0.16 U	0.06 U	0.12 U	0.74 J	0.14 U	0.22	32 J	0.18 U	1.3	0.57	2.5 J	0.039 U	360 E	1.3 J	5	1.3 J	5	1.8 J	0.55 U	
Production area																								
05/11/04	ORIG	6.2	2.6	0.21	0.19 U	6.6	0.14 U	0.8	0.16 U	0.2	5.1	0.21 U	8.9	36	3.3	0.044 U	39	1.1	7.3	0.85	2.7	1	0.63 U	
09/14/05	ORIG	4.6	2.3	0.2 U	0.2 U	2.9	0.15 U	1.3	0.17 U	0.32	1.3 U	0.22 U	5.4	17	1.2	0.047 U	22	0.91	4.8	0.79	2.7	0.98	0.66 U	
03/03/09	ORIG	2.3	0.9	0.19 U	0.19 U	0.89	0.14 U	0.5	0.16 U	0.17 U	36	0.21 U	2.6	2.8	2.3	0.045 U	41	1.1	6.2	2	4.2	1.3	0.63 U	
03/31/10	ORIG	10	4.8	0.6 U	0.6 U	3.5	0.44 U	0.69 U	0.5 U	0.53 U	5.1	0.66 U	3.1	9.4	2.3	0.14 U	280 E	0.87 U	1.6	7.1	26	5.8	2 U	
09/29/10	ORIG	0.8	0.24	0.19 U	0.19 U	0.88	0.14 U	0.43	0.16 U	0.21	1.7	0.21 U	2.3	2.3	2.9	0.045 U	180 E	1.6	4.7	2.5	5.8	2.5	0.63 U	
03/30/11	ORIG	0.62	0.19	0.16 U	0.16 U	0.18 J	0.14	0.48	0.14 U	0.18	5.8	0.18 U	1.6	1	2.8	0.039 U	22	1.5	6	1.3	4.5	1.6 J	0.55 U	
09/27/11	ORIG	0.51	0.19 U	0.2 U	0.2 U	0.071 U	0.14 J	0.45	0.16 U	0.26	59	0.22 U	1.4	0.55	2.4	0.046 U	44	1.7	5.7	1.1	3.6	1.3	0.64 U	
03/28/12	ORIG	0.22 U	0.17 U	0.18 U	0.18 U	0.064 U	0.13 U	0.71	0.15 U	0.16 U	80 J	0.19 U	1.2	0.56	2.4	0.041 U	140 E	0.88	3.4	1.2	4.9	1.6 J	0.58 U	
<b>Medlin North</b>																								
Building Interior																								
09/08/06	ORIG	1.6 U	1.3 U	1.3 U	1.3 U	0.47 U	0.96 U	1.5 U	1.1 U	1.2 U	8.3 U	1.4 U	1.6	1.9	2.6	0.3 U	430	1.9 U	2.8	1 U	2.1 U	1 U	4.3 U	
10/07/10	ORIG	0.28	0.18 U	0.19 U	0.19 U	0.22	0.14 U	0.37	0.16 U	0.17 U	1.2 U	0.2 U	1.8	0.96	2.5	0.044 U	21	0.81	2.3	0.32	0.84	0.29	0.62 U	
03/30/11	ORIG	0.38	0.19 U	0.19 U	0.19 U	0.069 U	0.14 U	0.48	0.16 U	0.17	1.4	0.21 U	1.6	0.82	2.7	0.045 U	21	1.4	4.4	0.53	1.5	0.54	0.63 U	
09/27/11	ORIG	0.6	0.2 U	0.2 U	0.2 U	0.074 U	0.15	0.46	0.17 U	0.26	8.5	0.22 U	1.4	0.61	2.4	0.048 U	35	1.7	5.1	0.81	2.3	0.9	0.67 U	
<b>Merchants Metals</b>																								
Office Area																								
04/18/12	ORIG	60	8.5	0.19 U	0.19 U	45	0.15 J	0.81 J	0.16 U	0.26	1.2	0.7	18	75	2.8	0.044 U	21	1.3	8.2	0.89	3.3	1.3	0.62 U	
Production Area																								
04/18/12	ORIG	0.77	0.24	0.22	0.19 U	0.64	0.16 J	1.1 J	0.16 U	0.26	1.9	0.2 U	1.8	2.2	3	0.044 U	27	3.4	26	3.5	14	4.5	0.62 U	

**Table 1**  
**Omega Chemical Superfund Site**  
**Volatile Organic Compounds (VOCs) Analytical Summary**  
**Indoor Air Analytical Results**

Sample Location	Sample Date	Sample Type	PCE	TCE	1,1,1-TCA	1,1,2-TCA	1,1-DCE	1,2-DCA	CTC	CBN	CFM	MC	1,4-DCB	Freon 11	Freon 113	Freon 12	VC	Ethyl Acetone Benzene	Toluene benzene	m,p-Xylenes	o-Xylene	MTBE	
<b>Regional Occupational Program</b>																							
Classroom (Room 104)																							
03/31/10	ORIG	2	0.32	0.2 U	0.2 U	0.63	0.16	0.38	0.16 U	0.17 U	1.2 U	0.22 U	1.1	0.84	2.1	0.046 U	69	0.48	0.99	0.16	0.33	0.16 U	0.64 U
05/27/10	ORIG	0.25	0.37	0.16 U	0.16 U	0.058 UJ	0.12 U	0.8	0.13 U	0.14 U	4.9	0.18 U	1.8	0.81 J	2.8	0.037 U	18	0.69	4.4	0.61	1.6	0.46	0.53 U
07/01/10	ORIG	0.22 J	0.49	0.18 U	0.18 U	0.067 U	0.14 U	0.39	0.15 U	0.18	4	0.2 U	1.8	0.61	2.6	0.043 U	52	0.94	2.8	0.26	1.8	0.29	0.6 U
07/28/10	ORIG	0.26	0.19	0.18 U	0.18 U	0.064 U	0.13 U	0.37	0.15 U	0.16 U	1.1 U	0.19 U	1.2	0.5	2	0.041 U	26	0.54	1.8	0.33	0.75	0.3	0.58 U
08/27/10	ORIG	0.79	0.18 U	0.18 U	0.18 U	0.24	0.13 U	0.43	0.15 U	0.16 U	1.1 U	0.2 U	1.6	0.61	2.2	0.042 U	23	1.2	2.6	0.32	0.74	0.32	0.59 U
10/07/10	ORIG	0.86	0.18 U	0.18 U	0.18 U	0.77	0.13 U	0.44	0.15 U	0.16 U	1.1 U	0.2 U	1.8	1.1	2.6	0.042 U	18	0.75	2.2	0.27	0.71	0.35	0.59 U
10/27/10	ORIG	0.45	0.17 U	0.18 U	0.18 U	0.12	0.13 U	0.45	0.15 U	0.16 U	1.1 U	0.19 U	1.3	0.81	2.6	0.041 U	12	0.7	1.8	0.25	0.72	0.3	0.58 U
11/30/10	ORIG	0.98	0.18 U	0.18 U	0.18 U	0.2	0.13 U	0.46 J	0.15 U	0.16 U	1.1 U	0.2 U	1.1	0.6	2.5	0.042 U	15	1.3	3.9	0.61	1.7	0.55	0.59 U
12/28/10	ORIG	8.8	0.39	0.15 U	0.15 U	1.7	0.17	0.5 J	0.12 U	0.2	0.93 U	0.16 U	1.8	1.7	2.7	0.034 U	12	4.6	12	1.6	5.4	1.5	0.48 U
01/26/11	ORIG	2	0.2	0.18 U	0.18 U	0.3	0.21	0.48 J	0.15 U	0.2	1.9	0.19 U	1.4	0.96	2.6	0.041 U	710 E	2.9	8.1	1.2	3.7	1.1	0.58 U
02/28/11	ORIG	0.85	0.18 U	0.18 U	0.18 U	0.22 J	0.13 U	0.41	0.15 U	0.16 U	1.1 U	0.2 U	1.6	0.67	2.4	0.042 U	9.3	1.2	2.7	0.43	1.4	0.47	0.59 U
03/30/11	ORIG	0.88	0.18 U	0.18 U	0.18 U	0.18 J	0.15	0.47	0.15 U	0.18	1.4	0.2 U	1.5	0.62	2.5	0.043 U	52	1.2	3.9	0.53	1.5	0.49	0.6 U
04/29/11	ORIG	1.1	0.17 U	0.18 U	0.18 U	0.22	0.17	0.47 J	0.15 U	0.17	6.3	0.19 J	2 J	0.9	2.9	0.041 U	29	0.58	4	0.45	1.1	0.29	0.58 U
05/31/11	ORIG	0.91	0.19 U	0.19 U	0.19 U	0.15	0.14 UJ	0.52 J	0.16 U	0.22	1.2 U	0.21 U	1.1	0.7	2.5	0.045 U	17	1.2	4.1	0.55	1.7	0.59 J	0.63 U
06/29/11	ORIG	0.67	0.18 U	0.18 U	0.18 U	0.096	0.13 U	0.52	0.15 U	0.16 U	1.2 U	0.2 UJ	1.2	0.61	2.5	0.042 U	18	0.61	1.9	0.32	0.93	0.34	0.6 U
07/27/11	ORIG	0.56	0.18 U	0.18 U	0.18 U	0.091	0.14 U	0.5 J	0.15 U	0.16 U	1.2 U	0.2 UJ	1.2	0.56	2.2	0.043 U	14	0.33	1.2	0.19	0.55	0.2	0.6 U
08/31/11	ORIG	0.59	0.17 U	0.17 U	0.17 U	0.066	0.13 U	0.53	0.14 U	0.15 U	1.1 U	0.19 UJ	2	0.54	2.8	0.04 U	13	0.51	1.7	0.23	0.65	0.25	0.56 U
09/27/11	ORIG	0.98	0.21	0.17 U	0.17 U	0.13	0.15	0.57	0.5	0.37	4.3	0.23	1.5	0.63	2.7	0.04 U	52	1.8	82	1.4	3.7	1.6	0.56 U
10/28/11	ORIG	1.3	0.18 U	0.18 U	0.18 U	0.17	0.14 UJ	0.48	0.15 U	0.28	1.7	0.2 UJ	1.3	0.64	2.4	0.043 U	30	2.4	7.6	1.2	4.5	1.6	0.6 U
11/30/11	ORIG	1	0.3	0.19 U	0.19 U	0.068 U	0.18	0.47	0.16 U	0.32	1.8	0.2 UJ	1.3	0.59	2.4	0.044 U	49	2.2	7.7	1.2	3.8	1.4	0.62 U
12/21/11	ORIG	0.98	0.18 U	0.18 U	0.18 U	0.11	0.22	0.75	0.16 U	0.18	1.2 U	0.2 U	1.4	0.69	2.7	0.043 U	20	2.6	7.6	1.2	4.2	1.4	0.61 U
01/31/12	ORIG	1.1	0.18 U	0.19 U	0.19 U	0.18	0.14 U	0.5	0.16 U	0.17 U	1.2 U	0.21 U	1.2	0.69	2.5	0.044 U	14	0.92	2.8	0.41	1.5	0.5	0.62 U
02/29/12	ORIG	0.94	0.22	0.18 U	0.18 U	0.12	0.14 U	0.6	0.16 U	0.16	1.2 U	0.2 U	1.3	0.64	2.5	0.043 U	22	1.4	3.3	0.54 J	1.8 J	0.73 J	0.61 U
03/29/12	ORIG	0.31	0.18 U	0.23	0.19 U	0.068 U	0.14 U	0.76	0.16 U	0.17 U	1.2 UJ	0.2 U	1.2	0.52	2.2	0.044 U	570 E	0.6	11	0.57	5.6 J	1.3 J	0.62 U
04/30/12	ORIG	0.23 U	0.18 U	0.18 U	0.18 U	0.16	0.14 U	0.42	0.15 U	0.16 U	1.2 U	0.2 U	1.2	0.52	0.17 U	0.043 U	15	0.52	1.3	0.2	0.61	0.3	0.6 U
Dental Annex (Classroom)																							
05/27/10	ORIG	17	1.6	0.2 U	0.2 U	12	0.15 U	0.53	0.17 U	0.84	1.3 U	0.22 U	3.5	7.1	2.9	0.047 U	32	0.56	2	0.46	1.1	0.34	0.66 U
07/01/10	ORIG	0.39	0.24	0.17 U	0.17 U	0.063 U	0.13 U	0.37	0.14 U	0.33	1.1	0.19 U	1.5	0.54	2.5	0.04 U	37	0.92	2.7	0.25	0.58	0.21	0.57 U
08/27/10	ORIG	1	0.18 U	0.18 U	0.18 U	0.16	0.14 U	0.37	0.15 U	0.25	1.2 U	0.2 U	1.5 J	0.59	2.2	0.043 U	18	0.89	2.7	0.34	0.85	0.28	0.6 U
10/07/10	ORIG	1	0.18 U	0.18 U	0.18 U	0.42	0.14 U	0.42	0.15 U	0.32	1.2 U	0.2 U	1.8	0.8	2.5	0.043 U	190 E	0.79	2.6	0.32	0.82	0.28	0.6 U
10/27/10	ORIG	1.1	0.17 U	0.18 U	0.18 U	0.27	0.13 U	0.44	0.15 U	0.35	1.1 U	0.19 U	1.8	1.1	2.5	0.041 U	52	0.97	2.6	0.39	1.1	0.49	0.58 U
11/30/10	ORIG	0.85	0.19	0.16 U	0.16 U	0.13	0.16	0.47 J	0.14 U	0.27	4.6	0.18 U	1.4	0.6	2.5	0.039 U	51	1.6	9.7	1.4	3.6	1.1	0.55 U
12/28/10	ORIG	2.6	0.2	0.15 U	0.15 U	0.44	0.22	0.52 J	0.12 U	0.45	0.94 U	0.16 U	1.6	0.85	2.6	0.035 U	16	3.2	8.1	1	3.3	1.1	0.49 U

**Table 1**  
**Omega Chemical Superfund Site**  
**Volatile Organic Compounds (VOCs) Analytical Summary**  
**Indoor Air Analytical Results**

Sample Location	Sample Date	Sample Type	PCE	TCE	1,1,1-TCA	1,1,2-TCA	1,1-DCE	1,2-DCA	CTC	CBN	CFM	MC	1,4-DCB	Freon 11	Freon 113	Freon 12	VC	Acetone	Benzene	Toluene	Ethyl benzene	m,p-Xylenes	o-Xylene	MTBE
	01/26/11	ORIG	2.4	0.19	0.18 U	0.18 U	0.34	0.19	0.5 J	0.15 U	0.34	1.9	0.19 U	1.7	1.1	2.6	0.041 U	24	3	8.7	1.2	3.7	1.1	0.58 U
	02/28/11	ORIG	0.8	0.18 U	0.18 U	0.18 U	0.15 J	0.14	0.42	0.15 U	0.21	1.2 U	0.2 U	1.5	0.62	2.3	0.043 U	21	1.4	3.3	0.53	1.6	0.57	0.6 U
	03/30/11	ORIG	0.95	0.19 U	0.2 U	0.2 U	0.12 J	0.15	0.42	0.16 U	0.4	1.8	0.22 U	1.5	0.54	2.4	0.046 U	29	1.9	5.2	0.7	1.8	0.65 J	0.64 U
	04/29/11	ORIG	1.6	0.18 U	0.18 U	0.18 U	0.21	0.18	0.46 J	0.15 U	0.33	1.1 U	0.2 J	2 J	0.85	2.9	0.042 U	100 E	0.5	1.4	0.21	0.51	0.2	0.59 U
	05/31/11	ORIG	0.5	0.18 U	0.18 U	0.18 U	0.14	0.2 J	0.49 J	0.15 U	0.37	1.8	0.2 U	1.1	0.66	2.6	0.043 U	23	1	2.8	0.17	0.5	0.16 J	0.6 U
	06/29/11	ORIG	0.88	0.18 U	0.18 U	0.18 U	0.096	0.13 U	0.52	0.15 U	0.46	1.1 U	0.2 UJ	1.2	0.59	2.4	0.042 U	54	0.6	2.3	0.38	1.1	0.42	0.59 U
	07/27/11	ORIG	1.4	0.17 U	0.17 U	0.17 U	0.18	0.12 U	0.52 J	0.14 U	0.49	1.1 U	0.19 UJ	1.3	0.6	2.5	0.04 U	12	0.31	1	0.19	0.59	0.21	0.56 U
	08/31/11	ORIG	1.6	0.18 U	0.18 U	0.18 U	0.2	0.13 U	0.57	0.15 U	0.55	1.2 U	0.2 UJ	2.1	0.62	2.9	0.042 U	19	0.46	1.5	0.22	0.63	0.21	0.6 U
	09/27/11	ORIG	1.9	0.26	0.17 U	0.17 U	0.33	0.19	0.44	0.43	0.61	3.5	0.19 U	1.4	0.71	2.4	0.04 U	120 E	1.7	75	1.4	4	1.6	0.56 U
	10/28/11	ORIG	1.8	0.2	0.18 U	0.18 U	0.26	0.16	0.34	0.15 U	0.53	1.5	0.2 U	1.4	0.78	2.7	0.043 U	37	2.8	8.9	1.4	5.2	1.8	0.6 U
	11/30/11	ORIG	1.8	0.3	0.2 U	0.2 U	0.17	0.24	0.46	0.16 U	0.54	2.2	0.22 UJ	1.4	0.68	2.4	0.046 U	210 E	2.8	10	1.6	5.3	1.9	0.64 U
	12/21/11	ORIG	1.3	0.19 U	0.19 U	0.19 U	0.15	0.23	0.92	0.16 U	0.36	1.2 U	0.21 U	1.4	0.74	2.8	0.045 U	24	3	8.7	1.4	4.6	1.6	0.63 U
	01/31/12	ORIG	1.4	0.18 U	0.19 U	0.19 U	0.19	0.14 U	0.57	0.16 U	0.34	1.2 U	0.21 U	1.3	0.79	2.7	0.044 U	13	1.1	3.7	0.56	2	0.68	0.62 U
	02/29/12	ORIG	1.5	0.21	0.19 U	0.19 U	0.18	0.14 U	0.49	0.16 U	0.29	1.4	0.2 U	1.2	0.64	2.4	0.044 U	260 E	1.4	4.1	0.66 J	2.2 J	0.76 J	0.62 U
	03/29/12	ORIG	0.32	0.17 U	0.17 U	0.17 U	0.074	0.12 U	0.7	0.14 U	2.4	1.7 J	0.19 U	1.3	0.55	2.4	0.04 U	25	0.68	2.4	0.62	2.1 J	0.79 J	0.56 U
	04/30/12	ORIG	0.28	0.17 U	0.17 U	0.17 U	0.56	0.13 U	0.42	0.14 U	0.26	1.1 U	0.19 U	1.4	0.6	0.16 U	0.04 U	240 E	0.5	1.3	0.22	0.57	0.2	0.57 U
Dental Annex (Lobby/Computer Area)																								
	05/27/10	ORIG	20	1.9	0.19 U	0.19 U	13	0.14 U	0.54	0.16 U	0.82	1.2 U	0.21 U	3.3	6.4	2.8	0.045 U	42	0.54	2	0.52	1.3	0.44	0.63 U
	07/01/10	ORIG	0.34	0.28	0.17 U	0.17 U	0.063 U	0.13 U	0.39	0.14 U	0.23	1.1 J	0.19 U	1.7	0.56	2.6	0.04 U	41	0.91	2.6	0.26	0.6	0.19	0.57 U
	07/28/10	ORIG	0.34	0.31	0.18 U	0.18 U	0.067 U	0.14 U	0.49	0.15 U	0.16 U	1.2 U	0.2 U	1.3	0.52	2.1	0.043 U	17	0.61	1.8	0.5	1.2	0.36	0.6 U
	08/27/10	ORIG	0.8	0.18 U	0.18 U	0.18 U	0.13	0.14 U	0.39	0.15 U	0.23	1.2 U	0.2 U	1.1 J	0.58	2.1	0.043 U	18	0.91	2.7	0.35	0.83	0.31	0.6 U
	10/07/10	ORIG	0.89	0.18 U	0.18 U	0.18 U	0.28	0.14 U	0.44	0.15 U	0.2	1.2 U	0.2 U	1.8	0.72	2.7	0.043 U	200 E	0.8	2.4	0.29	0.75	0.25	0.6 U
	10/27/10	ORIG	0.99	0.17 U	0.18 U	0.18 U	0.24	0.13 U	0.44	0.15 U	0.21	1.1 U	0.19 U	1.8	1	2.6	0.041 U	32	0.88	2.2	0.32	0.91	0.29	0.58 U
	11/30/10	ORIG	1.1	0.17 U	0.17 U	0.17 U	0.17	0.21	0.42 J	0.14 U	0.41	1.7	0.19 U	1.5	0.65	2.7	0.04 U	150 E	1.9	7.9	1.2	3.4	1.2	0.56 U
	12/28/10	ORIG	2.6	0.2	0.15 U	0.15 U	0.47	0.17	0.5 J	0.12 U	0.39	0.93 U	0.16 U	1.6	0.9	2.6	0.034 U	17	3.2	8	1	3.1	0.99	0.48 U
	01/26/11	ORIG	2	0.18 U	0.18 U	0.18 U	0.27	0.2	0.47 J	0.15 U	0.23	1.7	0.2 U	1.3	0.93	2.6	0.043 U	25	2.8	8.6	1.1	3.6	1	0.6 U
	02/28/11	ORIG	0.66	0.19 U	0.2 U	0.2 U	0.12 J	0.15	0.36	0.16 U	0.18	2.4	0.22 U	1.6	0.6	2.4	0.046 U	42	1.3	5.8	1.2	4	1.2	0.64 U
	03/30/11	ORIG	0.97	0.18 U	0.19 U	0.19 U	0.23 J	0.14 U	0.45	0.16 U	0.31	1.5	0.23	1.6	0.61	2.4	0.044 U	29	1.9	5.3	0.68	1.8	0.62 J	0.62 U
	04/29/11	ORIG	1.5	0.18 U	0.19 U	0.19 U	0.17	0.15	0.47 J	0.16 U	0.43	1.2 U	0.2 J	2.2 J	0.83	3	0.044 U	200 E	0.54	1.4	0.32	0.83	0.25	0.62 U
	05/31/11	ORIG	1.1	0.19 U	0.2 U	0.2 U	0.14	0.14 UJ	0.56 J	0.16 U	0.32	1.2 U	0.22 U	1.3	0.7	2.7	0.046 U	17	1.2	4.2	1	3.1	0.96 J	0.64 U
	06/29/11	ORIG	0.89	0.17 U	0.17 U	0.17 U	0.1	0.13 U	0.57	0.15 U	0.2	1.1 U	0.19 UJ	1.2	0.57	2.4	0.041 U	53	0.62	1.9	0.37	1.2	0.54	0.58 U
	07/27/11	ORIG	0.83	0.18 U	0.18 U	0.18 U	0.098	0.13 U	0.5 J	0.15 U	0.18	1.1 U	0.2 UJ	1.2	0.54	2.4	0.042 U	11	0.35	1.1	0.2	0.63	0.23	0.59 U
	08/31/11	ORIG	0.98	0.19 U	0.19 U	0.19 U	0.12	0.14 U	0.53	0.16 U	0.23	1.2 U	0.21 UJ	2.2	0.61	2.9	0.045 U	17	0.5	1.5	0.21	0.56	0.2	0.63 U
	09/27/11	ORIG	1.5	0.19 U	0.19 U	0.19 U	0.22	0.16	0.47	0.16 U	0.41	2.8	0.21 U	1.5	0.64	2.6	0.045 U	83	1.9	6.1	1.1	3.9	1.8	0.63 U
	10/28/11	ORIG	1.1	0.18 U	0.18 U	0.18 U	0.18	0.15 J	0.35	0.15 U	0.32	1.4	0.2 UJ	1.4	0.66	2.5	0.043 U	25	2.4	4.9	0.39	0.86	0.29	0.6 U

**Table 1**  
**Omega Chemical Superfund Site**  
**Volatile Organic Compounds (VOCs) Analytical Summary**  
**Indoor Air Analytical Results**

Sample Location	Sample Date	Sample Type	PCE	TCE	1,1,1-TCA	1,1,2-TCA	1,1-DCE	1,2-DCA	CTC	CBN	CFM	MC	1,4-DCB	Freon 11	Freon 113	Freon 12	VC	Acetone	Benzene	Toluene	Ethyl benzene	m,p-Xylenes	o-Xylene	MTBE
	11/30/11	ORIG	1.2	0.26	0.19 U	0.19 U	0.1	0.21	0.46	0.16 U	0.4	1.8	0.21 UJ	1.4	0.59	2.4	0.045 U	120 E	2.3	8	1.2	4	1.5	0.63 U
	12/21/11	ORIG	1	0.19 U	0.19 U	0.19 U	0.1	0.19	0.69	0.16 U	0.22	1.2 U	0.21 U	1.3	0.62	2.6	0.045 U	18	2.6	7.7	1.2	4	1.4	0.63 U
	01/31/12	ORIG	1.1	0.19 U	0.19 U	0.19 U	0.17	0.14 U	0.54	0.16 U	0.17 U	1.2 U	0.21 U	1.3	0.73	2.6	0.045 U	13	1.1	2.9	0.44	1.5	0.58	0.63 U
	02/29/12	ORIG	1.1	0.18	0.18 U	0.18 U	0.14	0.14 U	0.42	0.16 U	0.17 U	1.2 U	0.2 U	1.3	0.69	2.5	0.043 U	96 E	1.2	3	0.52 J	1.7 J	0.69 J	0.61 U
	03/29/12	ORIG	0.26	0.18 U	0.18 U	0.18 U	0.067 U	0.14 U	0.7	0.15 U	0.52	1.8 J	0.2 U	1.2	0.5	2.2	0.043 U	24	0.65	1.7	0.26	0.8 J	0.28 J	0.6 U
	04/30/12	ORIG	0.22 U	0.17 U	0.18 U	0.18 U	0.44	0.13 U	0.45	0.15 U	0.16 U	1.1 U	0.19 U	1.3	0.61	0.16 U	0.041 U	71	0.5	1.6	0.22	0.52	0.28	0.58 U
Office (Room 108)																								
	05/27/10	ORIG	5.8	0.72	0.19 U	0.19 U	2.7	0.14 U	0.57	0.16 U	0.17 U	2.5	0.21 U	2	1.4	2.8	0.045 U	200 E	0.58	2.3	0.32	0.68	0.24	0.63 U
	07/01/10	ORIG	0.64	0.18	0.18 U	0.18 U	0.27	0.14 U	0.39	0.15 U	0.19	2.1	0.21	1.7	0.62	2.7	0.043 U	56	0.86	3	0.26	0.55	0.26	0.6 U
	07/28/10	ORIG	0.53	0.27	0.19 U	0.19 U	0.069 U	0.15	0.4	0.16 U	0.17 U	2.4	0.21 U	1.2	0.56	2.2	0.045 U	23	0.64	13	0.79	1.8	0.54	0.63 U
	08/27/10	ORIG	1	0.14 U	0.15 U	0.15 U	0.29	0.11 U	0.41	0.12 U	0.19	1.8	0.16 U	1.5	0.62	2.2	0.034 U	17	1.1	3.4	0.41	1	0.44	0.48 U
	10/07/10	ORIG	1.1	0.18 U	0.19 U	0.19 U	0.74	0.14 U	0.44	0.16 U	0.17 U	1.4	0.2 U	1.8	1.1	2.6	0.044 U	71	0.94	3.2	0.4	1	0.46	0.62 U
	10/27/10	ORIG	1.3	0.18 U	0.18 U	0.18 U	0.35	0.13 U	0.41	0.15 U	0.21	2.9	0.2 U	1.9	1.5	2.6	0.042 U	33	1.6	5	0.65	1.9	0.63	0.59 U
	11/30/10	ORIG	1.6	0.17 U	0.18 U	0.18 U	0.32	0.18	0.46 J	0.15 U	0.16 U	2.8	0.19 U	1.4	0.66	2.5	0.041 U	28	1.9	5.8	0.77	2.4	0.78	0.58 U
	12/28/10	ORIG	3.7	0.24	0.16 U	0.16 U	0.72	0.21	0.56 J	0.14 U	0.58	4	0.33	1.7	1	2.7	0.039 U	21	2.7	8.3	0.96	2.9	1	0.55 U
	01/26/11	ORIG	3.3	0.24	0.2 U	0.2 U	0.61	0.19	0.49 J	0.16 U	0.22	5.6	0.22 U	1.5	1.3	2.7	0.046 U	120 E	2.9	8.9	1.2	3.5	1	0.64 U
	02/28/11	ORIG	2	0.19	0.18 U	0.18 U	0.5 J	0.13 U	0.4	0.15 U	0.18	8.1	0.32	1.5	0.85	2.3	0.041 U	24	1.8	5.1	0.75	2.4	0.82	0.58 U
	03/30/11	ORIG	1.7	0.42 U	0.42 U	0.42 U	0.49 J	0.31 U	0.5	0.36 U	0.38 U	4.6	0.47 U	1.6	1.3	2.5	0.099 U	73	1.2	4.8	0.97	2.6	0.68	1.4 U
	04/29/11	ORIG	1.1	0.17 U	0.17 U	0.17 U	0.21	0.12 U	0.46 J	0.14 U	0.15 U	1.1 U	0.19 J	2 J	0.83	2.9	0.04 U	16	0.51	1.1	0.15	0.37	0.13 U	0.56 U
	05/31/11	ORIG	2.2	0.19 U	0.2 U	0.2 U	0.49	0.14 UJ	0.49 J	0.16 U	0.24	7.3	0.3	1.3	1	2.6	0.046 U	28	1.2	4.6	0.8	2.4	0.73 J	0.64 U
	06/29/11	ORIG	1	0.18 U	0.18 U	0.18 U	0.16	0.13 U	0.53	0.15 U	0.16 U	3.4	0.2 UJ	1.2	0.64	2.4	0.042 U	28	0.58	2.2	0.49	1.4	0.52	0.6 U
	07/27/11	ORIG	0.46	0.17 U	0.17 U	0.17 U	0.074	0.13 U	0.51 J	0.14 U	0.15 U	2.2	0.19 UJ	1.3	0.6	2.5	0.04 U	18	0.34	2.3	0.35	0.86	0.3	0.57 U
	08/31/11	ORIG	0.66	0.19 U	0.19 U	0.19 U	0.08	0.14 U	0.58	0.16 U	0.17 U	2.1	0.21 UJ	1.9	0.62	2.8	0.045 U	42	0.46	1.8	0.32	0.83	0.27	0.63 U
	09/27/11	ORIG	1.7	0.19 U	0.19 U	0.19 U	0.29	0.16	0.52	0.16 U	0.32	2.5	0.21 U	1.4	0.65	2.4	0.045 U	37	1.8	6.2	1	3.8	1.6	0.63 U
	10/28/11	ORIG	2.1	0.22	0.17 U	0.17 U	0.32	0.16 J	0.44	0.14 U	0.29	2	0.19 UJ	1.4	0.81	2.4	0.04 U	37	2.8	9.3	1.5	5.5	1.9	0.57 U
	11/30/11	ORIG	1.8	0.3	0.19 U	0.19 U	0.12	0.2	0.46	0.16 U	0.36	3.2	0.2 UJ	1.4	0.68	2.4	0.044 U	58	2.7	10	1.7	5.2	1.9	0.62 U
	12/21/11	ORIG	1.3	0.18 U	0.19 U	0.19 U	0.16	0.24	0.76	0.16 U	0.21	2.6	0.21 U	1.4	0.76	2.9	0.044 U	77	2.7	8.7	1.3	4.4	1.5	0.62 U
	01/31/12	ORIG	1.2	0.18 U	0.18 U	0.18 U	0.21	0.14 U	0.52	0.16 U	0.17 U	1.7	0.2 J	1.3	0.78	2.5	0.043 U	22	1.1	4.2	0.66	2.2	0.71	0.61 U
	02/29/12	ORIG	1.2	0.18 J	0.18 U	0.18 U	0.16	0.14 U	0.56	0.15 U	0.16 U	2.6	0.2 U	1.3	0.72	2.5	0.043 U	24	1.3	4.5	0.77 J	2.4 J	0.88 J	0.6 U
	03/29/12	ORIG	0.28	0.18 U	0.19 U	0.19 U	0.068 U	0.14 U	0.86	0.16 U	0.17 U	1.8 J	0.2 U	1.3	0.59	2.4	0.044 U	130 E	0.72	3.6	0.28	0.86 J	0.22 J	0.62 U
	04/30/12	ORIG	0.23 U	0.18 U	0.19 U	0.19 U	0.25	0.14 U	0.46	0.16 U	0.17 U	1.2	0.2 U	1.2	0.64	0.17 U	0.044 U	24	0.52	1.9	0.28	0.63	0.32	0.62 U
Office (Room 207)																								
	03/31/10	ORIG	58	3.5	0.16 U	0.16 U	29	0.2	0.43	0.13 U	0.27	47	0.17 U	6	11	2.3	0.037 U	78 E	0.72	6.7	0.99	2.7	0.84	0.52 U
	05/27/10	ORIG	25 J	1.3	0.15 U	0.15 U	13 J	0.12	0.52	0.12 U	0.13 U	4.1 J	0.16 U	2.7	3.6 J	2.7	0.034 U	36 J	0.49	2	0.34	0.78	0.27	0.48 U
	05/27/10	DUP	20 J	1.4	0.19 U	0.19 U	9.5 J	0.14 U	0.51	0.16 U	0.17	5.8 J	0.2 U	2.5	2.9 J	2.7	0.044 U	180 E	0.55	2.4	0.39	0.87	0.28	0.62 U

**Table 1**  
**Omega Chemical Superfund Site**  
**Volatile Organic Compounds (VOCs) Analytical Summary**  
**Indoor Air Analytical Results**

Sample Location	Sample Date	Sample Type	PCE	TCE	1,1,1-TCA	1,1,2-TCA	1,1-DCE	1,2-DCA	CTC	CBN	CFM	MC	1,4-DCB	Freon 11	Freon 113	Freon 12	VC	Acetone	Benzene	Toluene	Ethyl benzene	m,p-Xylenes	o-Xylene	MTBE
07/01/10	ORIG		2	0.26	0.19 U	0.19 U	0.57	0.14 U	0.4	0.16 U	0.22	8.6	0.21 J	1.9	0.75	2.8	0.045 U	41	0.95	3.7	0.36	0.85	0.27	0.63 U
07/28/10	SPLIT		1.4	0.3	0.11 U	0.11 U	0.18	0.081 U	0.65	0.092 U	0.23	7.5	0.2	1.6	0.68	2.8	0.026 U	9.7	0.95	15	2.3	6.1	2.2	0.36 U
07/28/10	ORIG		1.2	0.18	0.18 U	0.18 U	0.13	0.13	0.47	0.15 U	0.16 U	5.4	0.19 U	1.2	0.5	2.1	0.041 U	29	0.62	2.6	0.96	2.2	0.58	0.58 U
08/27/10	SPLIT		1.5 J	0.13	0.1 J	0.05 U	0.19 J	0.13	0.45	0.14	0.22	29 J	0.49	0.06 U	0.08 U	0.05 U	0.01 U	1.2 UJ	1.4 J	14 J	0.04 U	4.3 J	1.4 J	0.07 U
08/27/10	ORIG		0.94 J	0.18 U	0.18 U	0.18 U	0.24 J	0.14 U	0.4	0.15 U	0.18	2.9 J	0.2 U	1.7	0.66	2.3	0.043 U	21 J	0.93 J	3.4 J	0.4	0.97 J	0.3 J	0.6 U
10/07/10	ORIG		1.2	0.18 U	0.18 U	0.18 U	0.38	0.13	0.44	0.15 U	0.2	3.6	0.2 U	1.9	0.77	2.6	0.042 U	49	1	3.7	0.47	1.2	0.42	0.59 U
10/27/10	SPLIT		1.7	0.11	0.11 U	0.11 U	0.3 J	0.11	0.44	0.092 U	0.17	5.4 J	0.16	1.4 J	1.2 J	2.5	0.026 U	19 J	1.2 J	14 J	1.2 J	3.8 J	1.4 J	0.36 U
10/27/10	ORIG		1.4	0.17 U	0.18 U	0.18 U	0.41 J	0.13 U	0.45	0.15 U	0.18	7.2 J	0.19 U	2 J	1.6 J	2.7	0.041 U	34 J	1.6 J	6.2 J	0.67 J	1.9 J	0.62 J	0.58 U
11/30/10	SPLIT		1.8 J	0.2	0.11 U	0.11 U	0.33 J	0.12	0.51 J	0.092 U	0.18	7.4 J	0.17	1.5 J	0.75 J	2.8 J	0.026 U	20 J	1.9 J	9.7 J	0.94 J	3.4 J	1.1 J	0.36 U
11/30/10	ORIG		0.91 J	0.16 U	0.16 U	0.16 U	0.17 J	0.12	0.25 J	0.14 U	0.14 U	3.5 J	0.18 U	0.75 J	0.38 J	1.3 J	0.038 U	13 J	1 J	4.1 J	0.44 J	1.4 J	0.44 J	0.54 U
12/28/10	SPLIT		8.2 J	0.41 J	0.11 U	0.11 U	1.5 J	0.1 J	0.57	0.092 U	0.28	5.8 J	0.6 J	1.7	1.5 J	2.7	0.026 U	24	3.3	13 J	2.3 J	8.2 J	3 J	0.36 U
12/28/10	ORIG		4.2 J	0.25 J	0.15 U	0.15 U	0.82 J	0.19 J	0.5 J	0.13 U	0.2	7.5 J	0.28 J	1.7	1.1 J	2.7	0.036 U	27	3.1	10 J	1.1 J	3.4 J	1 J	0.5 U
01/26/11	SPLIT		4.3	0.3	0.11 U	0.11 U	0.69	0.11	0.58 J	0.092 U	0.26 J	8.2	0.35 J	1.6	1.4	2.5	0.026 U	99	2.7 J	10 J	2.1 J	7 J	2.5 J	0.36 U
01/26/11	ORIG		4.6	0.27	0.15 U	0.15 U	0.75	0.16	0.43 J	0.12 U	0.39 J	8.3	0.17 J	1.9	1.5	2.9	0.035 U	92 E	3.4 J	19 J	1.5 J	4.7 J	1.3 J	0.49 U
02/28/11	SPLIT		2.3	0.24 J	0.33 U	0.33 U	0.38 J	0.24 U	0.42	0.28 U	0.29 U	12	0.44	0.9 J	0.84	2 J	0.077 U	40 J	1.7	6	0.83	2.6	0.99 J	1.1 U
02/28/11	ORIG		2	0.18 J	0.18 U	0.18 U	0.54 J	0.15	0.4	0.15 U	0.18	13	0.26	1.6 J	0.88	2.5 J	0.043 U	26 J	1.7	5.6	0.78	2.4	0.8 J	0.6 U
03/30/11	SPLIT		3.1 J	0.23	0.11 U	0.11 U	0.5 J	0.13	0.57	0.092 U	0.3 J	8	0.34	1.6	1	2.8	0.026 U	53	1.6 J	6.5	1.9 J	5.4 J	1.6 J	0.36 U
03/30/11	ORIG		2.3 J	0.18	0.18 U	0.18 U	0.45 J	0.14 U	0.48	0.15 U	0.21 J	7.1	0.2 U	1.5	0.87	2.5	0.043 U	46	1.2 J	5.4	1 J	3 J	0.76 J	0.6 U
04/29/11	SPLIT		1 J	0.084	0.11 U	0.11 U	0.17	0.11	0.55	0.092 U	0.14	8.2	0.17 J	1 J	0.87	2.6	0.026 U	37 J	0.66 J	9.3 J	0.91 J	2.7 J	0.82 J	0.36 U
04/29/11	ORIG		0.76 J	0.18 U	0.18 U	0.18 U	0.18	0.16	0.46 J	0.15 U	0.16 U	9.2	0.2 J	2 J	0.81	2.9	0.042 U	27 J	0.54 J	6.9 J	0.42 J	1 J	0.24 J	0.59 U
05/31/11	SPLIT		2.9	0.2	0.11 U	0.11 U	0.44 J	0.12	0.6	0.092 U	0.35 J	14	0.52 J	1.2	1.1	2.6	0.026 U	22 J	1.5 J	5.9	1.4 J	4.4 J	1.5 J	0.36 U
05/31/11	ORIG		2.5	0.18 U	0.19 U	0.19 U	0.59 J	0.14 UJ	0.51 J	0.16 U	0.25 J	12	0.36 J	1.3	1.1	2.5	0.044 U	27 J	1.2 J	5.1	0.84 J	2.6 J	0.78 J	0.62 U
06/29/11	Split		2.5 J	0.16	0.11 U	0.11 U	0.3	0.12	0.66 J	0.092 U	0.14 J	8.1	0.22	1.4	0.85	0.099 U	0.026 U	37 J	0.64	5.8 J	2.2 J	5.4 J	2.5 J	0.36 U
06/29/11	ORIG		1.9 J	0.17 U	0.18 U	0.18 U	0.3	0.13 U	0.52 J	0.15 U	0.32 J	7.9	0.19 UJ	1.3	0.78	2.4	0.041 U	29 J	0.6	2.7 J	0.56 J	1.6 J	0.52 J	0.58 U
07/27/11	SPLIT		0.64	0.071	0.11 U	0.11 U	0.11	0.41	0.58	0.092 U	0.13	4	0.25	1.3	0.78	2.8	0.026 U	20	0.43	9 J	1.3 J	3 J	1.3 J	0.36 U
07/27/11	ORIG		0.56	0.16 U	0.16 U	0.16 U	0.1	0.12 U	0.58 J	0.14 U	0.15 U	3.9	0.18 UJ	1.4	0.67	2.6	0.039 U	22	0.32	1.8 J	0.39 J	1 J	0.39 J	0.55 U
08/31/11	Split		0.88	0.084	0.27 U	0.27 U	0.11	0.2 U	0.52	0.23 U	0.24 U	4.6	0.3 U	1.4 J	0.74	2.7	0.064 U	36 J	0.65	11 J	0.97 J	2.2 J	1.1 J	0.9 U
08/31/11	ORIG		0.8	0.18 U	0.18 U	0.18 U	0.11	0.15	0.55	0.16 U	0.17 U	5.5	0.2 UJ	1.9 J	0.64	2.8	0.043 U	51 J	0.48	3.4 J	0.46 J	1.3 J	0.48 J	0.61 U
09/27/11	SPLIT		1.9	0.22	0.11 U	0.11 U	0.39	0.1	0.56	0.22	0.5 J	4.9 J	0.33	1.3 J	0.89	3.2 J	0.026 U	42	2.2	12 J	2 J	10 J	5.2 J	0.36 U
09/27/11	ORIG		1.8	0.18	0.18 U	0.18 U	0.37	0.15	0.47	0.15 U	0.34 J	3.8 J	0.2 U	1.6 J	0.74	2.4 J	0.043 U	41	1.9	8 J	1.4 J	5.9 J	2.8 J	0.6 U
10/28/11	SPLIT		2.5 J	0.27	0.11 U	0.11 U	0.35	0.14	0.71	0.092 U	0.4 J	3.9	0.31	1.6 J	1.1 J	2.6	0.026 U	36	2.3 J	11 J	2 J	6.8 J	2.5 J	0.36 U
10/28/11	ORIG		0.23 UJ	0.18 U	0.18 U	0.18 U	0.32	0.14 UJ	0.21 U	0.15 U	0.23 J	3.3	0.2 UJ	1.3 J	0.78 J	2.4	0.043 U	36	0.59 J	0.53 UJ	0.14 UJ	0.29 UJ	0.14 UJ	0.6 U
11/30/11	SPLIT		2.1	0.32	0.11 U	0.11 U	0.16	0.23	0.65 J	0.092 U	0.35	11	0.32	1.8	0.97 J	2.8	0.026 U	43 J	2.9	15 J	2.2 J	6.8 J	2.5 J	0.36 U
11/30/11	ORIG		1.8	0.27	0.19 U	0.19 U	0.16	0.2	0.47 J	0.16 U	0.38	10	0.2 UJ	1.5	0.78 J	2.5	0.044 U	64 J	2.8	11 J	1.7 J	5.5 J	2 J	0.62 U
12/21/11	SPLIT		1.3	0.15	0.11 U	0.11 U	0.16	0.094 J	0.62 J	0.092 U	0.28	8.5	0.12 U	1.6	0.89	2.9	0.026 U	90	2.7	10	1.8 J	5.9	2.3 J	0.36 U

**Table 1**  
**Omega Chemical Superfund Site**  
**Volatile Organic Compounds (VOCs) Analytical Summary**  
**Indoor Air Analytical Results**

Sample Location	Sample Date	Sample Type	PCE	TCE	1,1,1-TCA	1,1,2-TCA	1,1-DCE	1,2-DCA	CTC	CBN	CFM	MC	1,4-DCB	Freon 11	Freon 113	Freon 12	VC	Acetone	Benzene	Toluene	Ethyl benzene	m,p-Xylenes	o-Xylene	MTBE	
	12/21/11	ORIG	1.3	0.18 U	0.18 U	0.18 U	0.16	0.23 J	0.88 J	0.16 U	0.21	7.7	0.2 U	1.4	0.78	2.8	0.043 U	99 E	2.9	9.9	1.4 J	4.9	1.7 J	0.61 U	
	01/31/12	ORIG	1.3 J	0.18 U	0.18 U	0.18 U	0.22	0.14 U	0.51	0.16 U	0.17 U	6.3	0.2 U	1.3	0.83	2.6	0.043 U	22	1.2 J	4.8 J	0.77 J	2.6 J	0.86 J	0.61 U	
	01/31/12	SPLIT	1.7 J	0.14	0.11 U	0.11 U	0.24	0.081 U	0.58	0.092 U	0.23	7.3	0.4	1.5	0.94	0.099 U	0.026 U	21	1.8 J	7.4 J	1.6 J	5.3 J	2 J	0.36 U	
	02/29/12	SPLIT	1.3	0.16	0.11 U	0.11 U	0.17 J	0.092	0.51	0.092 U	0.15	14	0.15	1.8 J	0.8	3.4 J	0.026 U	19 J	1.6	5	1 J	3.2 J	1.1 J	0.36 U	
	02/29/12	ORIG	1.2	0.18 U	0.18 U	0.18 U	0.18	0.14 U	0.54	0.15 U	0.17	12	0.23	1.3 J	0.83	2.6 J	0.043 U	30 J	1.5	4.9	0.86 J	2.8 J	1 J	0.6 U	
	03/29/12	SPLIT	0.45	0.097	0.11 U	0.11 U	0.066	0.11	0.53 J	0.092 U	0.14	5.8	0.12 U	1.4	0.62	2.4	0.026 U	44 J	0.82	3.9	0.5 J	1.9 J	0.61 J	0.36 U	
	03/29/12	ORIG	0.35	0.18 U	0.18 U	0.18 U	0.067 U	0.14 U	0.8 J	0.15 U	0.16 U	5.3 J	0.2 U	1.3	0.56	2.4	0.043 U	75 J	0.69	3.5	0.4 J	1.5 J	0.48 J	0.6 U	
	04/30/12	SPLIT	0.32	0.054 U	0.11 U	0.11 U	0.2	0.091	0.59	0.092 U	0.14	4.2	0.12 U	1.5	0.62	2.5 J	0.026 U	20	0.78	3.7	0.5	1.2 J	0.48 J	0.36 U	
	04/30/12	ORIG	0.23 U	0.18 U	0.18 U	0.18 U	0.23	0.14 U	0.44	0.15 U	0.16 U	3.1	0.2 U	1.3	0.47	0.17 U	J	0.043 U	25	0.56	2.9	0.27	0.61 J	0.19 J	0.6 U
<b>Star City Auto Body</b>																									
Main work area																									
	05/11/04	ORIG	16	3.5	0.74 U	0.74 U	17	0.55 U	0.86 U	0.63 U	0.67 U	4.7 U	0.82 U	13	30	2.3	0.17 U	1100 E	2.6	420	8.6	46	13	2.5 U	
	05/11/04	DUP	17	3.6	0.74 U	0.74 U	18	0.55 U	0.86 U	0.63 U	0.67 U	4.8	0.82 U	14	31	2.7	0.17 U	1200 E	3.2	440	9.2	49	14	2.5 U	
	09/14/05	ORIG	34	6.5	0.33	0.2 U	16	0.15 U	0.67	0.17 U	0.19	1.5	0.22 U	11	18	1.9	0.047 U	350 E	5.3	38	4.6	21	5.1	0.66 U	
	09/14/05	DUP	33	5.5	0.32	0.19 U	16	0.14 U	0.66	0.16 U	0.19	1.5	0.21 U	11	17	2.1	0.045 U	330 E	5	36	4.8	22	5.4	0.63 U	
	03/03/09	ORIG	4.2	0.89	0.18 U	0.18 U	0.45	0.13 U	0.49	0.15 U	0.16	1.2	0.19 U	1.8	0.86	2.5	0.041 U	980 E	4.2	25	5.4	19	5.4	0.58 U	
	03/31/10	ORIG	12	1.2	0.33	0.18 U	0.87	0.16	0.41	0.15 U	0.22	1.1 U	0.19 U	1.1	1.2	2	0.041 U	290 E	1.5	9.5	1.3	5.2	1.3	0.58 U	
	10/07/10	ORIG	0.67	0.35 U	0.53	0.36 U	0.49	0.26 U	0.62	0.3 U	0.32 U	2.3 U	0.39 U	1.9	1.4	2.4	0.084 U	900 E	1.7	18	1.6	5.1	1.7	1.2 U	
	03/30/11	ORIG	1.2 U	0.98 U	1 U	1 U	0.36 U	0.74 U	1.2 U	0.84 U	0.89 U	6.4 U	1.1 U	1.7	1.4 U	2.8	0.23 U	1000 E	3.4	33	2.1	6.8	2.3 J	3.3 U	
	09/27/11	ORIG	0.56	0.2 U	0.42	0.21 U	0.076 U	0.18	0.46	0.31	0.29	6.2	0.23 U	1.4	0.51	2.5	0.049 U	1200 E	3.9	84	18	68	20	0.69 U	
	03/28/12	ORIG	0.23 U	0.18 U	0.18 U	0.18 U	0.067 U	0.14 U	0.68	0.15 U	0.16 U	3.4 J	0.2 U	1.2	0.57	2.4	0.043 U	980 E	2	17	6.9	34	11 J	0.6 U	
Rear area of shop																									
	05/11/04	ORIG	6	3.9 U	4 U	4 U	1.6	2.9 U	4.6 U	3.4 U	3.6 U	25 U	4.4 U	4.1 U	5.6 J	3.6 U	0.93 U	5400 E	5.8 U	2400	48	270	78	13 U	
	09/14/05	ORIG	23 U	18 U	18 U	18 U	6.7 U	14 U	21 U	15 U	16 U	120 U	20 U	19 U	26 U	17 U	4.3 U	6000	27 U	74	14 U	29 U	14 U	60 U	
	03/03/09	ORIG	2.9	0.36 U	0.37 U	0.37 U	0.22	0.27 U	0.51	0.59	0.33 U	2.9	0.4 U	1.7	1.1	2.4	0.086 U	5700 E	2.9	120	17	59	14	1.2	
	03/31/10	ORIG	14	0.69	0.88	0.47 U	0.83	0.35 U	0.54 U	0.39 U	0.42 U	3 U	0.51 U	1.3	2.2	2	0.11 U	1100 E	1	140	7.8	35	9.1	1.5 U	
	10/07/10	ORIG	0.81	0.18 U	0.29	0.18 U	0.45	0.13 U	0.43	0.15 U	0.18	1.1 J	0.2 U	1.8	1.2	2.4	0.042 U	2400 E	2.4	32	3.1	11	2.7	0.59 U	
	03/30/11	ORIG	1 U	0.83 U	0.84 U	0.84 U	0.31 U	0.63 U	0.98 U	0.71 U	0.76 U	5.4 U	0.93 U	1.7	1.2 U	2.3	0.2 U	1100 E	3.2	39	2.5	8.3	2.8 J	2.8 U	
	09/27/11	ORIG	2.6 U	2 U	2.1 U	2.1 U	0.76 U	1.5 U	2.4 U	1.8 U	1.9 U	25	2.3 U	2.1 U	2.9 U	1.9 U	0.49 U	9300 E	3.3	240	47	230	75	6.9 U	
	03/28/12	ORIG	0.72 U	0.57 U	0.58 U	0.58 U	0.21 U	0.43 U	0.66 J	0.73	0.52 U	5 J	0.64 U	1.2	0.82 U	2.3	0.14 U	4000 E	2.4	46	74	380 J	140 J	1.9 U	
Side Office																									
	03/31/10	ORIG	7	0.85	0.35	0.18 U	0.39	0.14 U	0.39	0.15 U	0.16 U	1.2 U	0.2 U	1.1	0.96	2.1	0.043 U	270 E	1.4	9.7	0.98	3.4	1	0.6 U	
	10/07/10	ORIG	0.48	0.18 U	0.24	0.19 U	0.27	0.14 U	0.43	0.16 U	0.17	1.2 U	0.2 U	1.9	1.1	2.6	0.044 U	350 E	1	9.9	0.81	2.3	0.77	0.62 U	
	03/30/11	ORIG	0.33	0.19 U	0.19 U	0.19 U	0.069 U	0.16	0.5	0.16 U	0.18	1.5	0.21 U	1.6	0.65	2.5	0.045 U	470 E	2	19	1.1	3.6	1.4 J	0.63 U	
	09/27/11	ORIG	0.56	0.2 U	0.2 U	0.2 U	0.074 U	0.18	0.5	0.17 U	0.29	4.5	0.22 U	1.4	0.55	2.5	0.048 U	550 E	2	25	5.7	27	8.7	0.67 U	

**Table 1**  
**Omega Chemical Superfund Site**  
**Volatile Organic Compounds (VOCs) Analytical Summary**  
**Indoor Air Analytical Results**

Sample Location	Sample Date	Sample Type	PCE	TCE	1,1,1-TCA	1,1,2-TCA	1,1-DCE	1,2-DCA	CTC	CBN	CFM	MC	1,4-DCB	Freon 11	Freon 113	Freon 12	VC	Acetone	Benzene	Toluene	Ethyl benzene	m,p-Xylenes	o-Xylene	MTBE
			0.23 U	0.18 U	0.19 U	0.19 U	0.068 U	0.14 U	0.62	0.16 U	0.17 U	2.2 J	0.2 U	1.2	0.56	2.4	0.044 U	480 E	1.4	10	4.7	23 J	7.6 J	0.62 U
	03/28/12	ORIG																						
<b>Terra Pave</b>																								
First floor office area																								
05/11/04	ORIG	110	4.4	0.45	0.2 U	23	0.15 U	0.56	0.17 U	0.24	1.5	0.23	7	26	2.9	0.046 U	41	1.3	10	1.6	5.4	2.1	0.66 U	
09/14/05	ORIG	39	1.6	0.17 U	0.17 U	5.5	0.13 U	0.67	0.14 U	0.21	1.2	0.27	3.4	6.3	2	0.04 U	22	1.1	6.9	0.93	3.5	1	0.57 U	
07/23/08	ORIG	130	5.8	0.19 U	0.19 U	12	0.14 U	0.43	0.16 U	0.4	1.4	0.21 U	3	9	2.3	0.045 U	40	0.84	7.4	0.87	3	1.1	0.63 U	
03/03/09	ORIG	420	18	0.66	0.47 U	56	2.9	0.58	0.39 U	3.3 J	3 U	0.51 U	13	53	2.4	0.11 U	140	1.8	68	1.6	5.3	2.3	1.5 U	
03/03/09	EPA	535.7	19.9	14.2 U	14.2 U	59.4	10.5 U	16.4 U	12 U	12.7 U	9 U	15.6 U	13.5 J	54.4	12.9 U	6.6 U	--	8.3 U	71.6	11.3 U	22.2 U	11.3 U	--	
03/03/09	DUP	420	16	0.46 U	0.46 U	55	0.34 U	0.54	0.39 U	0.73 J	2.9 U	0.5 U	13	50	2.4	0.11 U	140	1.8	68	1.5	5.3	2.2	1.5 U	
07/16/09	SPLIT	52	2.4	0.11 U	0.11 U	4	0.081 U	0.43	0.092 U	0.33	1.3	0.14	1.6	1.6	0.098 U	0.026 U	130	1.7	120	1.1	1.7	1.3	0.35 U	
07/16/09	ORIG	45	2.1	0.4 U	0.4 U	2.4	0.3 U	0.54	0.34 U	0.36 U	2.5 U	0.44 U	1.8	1.5	2.4	0.094 U	230 E	1.6	120	0.69	1.9	0.68	1.3 U	
07/16/09	DUP	47	2.1	0.21 U	0.21 U	2.6	0.15 U	0.57	0.18 U	0.3	1.3	0.23 U	1.7	1.5	2.4	0.049 U	220 E	1.7	110	0.67	1.9	0.72	0.69 U	
08/25/09	ORIG	23	1.2	0.25 U	0.25 U	1 J	0.19 U	0.52	0.21 U	0.4 J	1.6 U	0.28 U	1.6	1.3	2.6	0.059 U	54 J	1.8 J	17	0.73 J	1.9 J	0.62 J	0.83 U	
08/25/09	DUP	20	1.3	0.2 U	0.2 U	1.5 J	0.15 U	0.57	0.84 U	0.32 J	1.6	1.1 U	1.9	1.5	2.6	0.047 U	78 J	2.3 J	18	0.9 J	2.6 J	1 J	0.66 U	
09/30/09	SPLIT	20	0.91	0.065 J	0.098 U	0.79	0.069	0.63	0.046 J	0.21	56 J	0.09 J	1.4	0.92 J	--	0.046	--	1.5	19	7.4	37	15	--	
09/30/09	ORIG	17 J	0.96	0.2 U	0.2 U	0.74	0.15 U	0.61	0.17 U	0.19 J	2.5 J	0.22 U	1.6	1.4 J	2.9	0.047 U	24 J	1.5	17	3.3 J	13 J	4.6 J	0.66 U	
09/30/09	DUP	49 J	1	0.18 U	0.18 U	0.74	0.13 U	0.62	0.15 U	1 J	2.4 J	0.19 U	1.6	1.4 J	2.8	0.041 U	34 J	1.6	18	4.3 J	20 J	6.9 J	0.58 U	
10/29/09	ORIG	130	5.3	0.2 U	0.2 U	7.5 J	0.14 U	0.53	0.16 U	0.33	2.1	0.22 U	2.4	9.4	2.4	0.046 U	93 E	2.2	24	1.1	3.3	1.2	0.64 U	
10/29/09	DUP	160	6.2	0.25 U	0.25 U	8 J	0.18 U	0.57	0.21 U	0.39	2.4	0.27 U	2.6	10	2.5	0.058 U	96	2.7	26	1.3	3.8	1.4	0.81 U	
11/24/09	ORIG	270	11	0.3 U	0.3 U	24	0.22 U	0.48	0.25 U	0.65	2.8	0.33 U	5.8 J	16	2.5	0.07 U	81	3.4	19	4	14	4.8	0.98 U	
11/24/09	DUP	270	10	0.32 U	0.32 U	23	0.24 U	0.45	0.27 U	0.62	2.8	0.35 U	4.7 J	15	2.5	0.075 U	74	3.2	18	3.7	12	4.1	1 U	
12/28/09	ORIG	540	21	0.62 U	0.62 U	80	0.46 U	0.72 U	0.52 U	0.95	4.9	0.68 U	20	60	2.6	0.14 U	690 E	2.1	16	13	48	16	2 U	
12/28/09	DUP	530	21	0.89 U	0.89 U	78	0.66 U	1 U	0.76 U	0.91	5.7 U	0.99 U	20	58	2.3	0.21 U	670 E	2.1	16	12	45	15	3 U	
01/27/10	ORIG	580	21	0.64 U	0.64 U	67	0.47 U	0.73 U	0.54 U	1.2	4 U	0.7 U	16 J	48	2.4	0.15 U	65	2.6	16	4.5	16	5.8	2.1 U	
01/27/10	DUP	550	20	0.59 U	0.59 U	63	0.43 U	0.68 U	0.49 U	1	3.7 U	0.64 U	16	45	2.2	0.14 U	72	2.6	14	4.2	14	5.1	1.9 U	
02/24/10	SPLIT	790	37	0.16	1.7	100	0.097	0.58	0.092 U	1.8	4	0.25	18	76	2.2	0.026 U	63 J	3.1	22	8.1	34	15	0.35 U	
02/24/10	ORIG	1000	37	1 U	1 U	110	0.78 U	1.2 U	0.89 U	1.6	6.7 U	1.2 U	20	78	0.96 U	0.25 U	81 J	3.9	28	8.6	35	13	3.5 U	
02/24/10	DUP	1000	38	1.7 U	1.7 U	110	1.2 U	2 U	1.4 U	1.5 U	11 U	1.9 U	21	78	1.5 U	0.4 U	83	4	28	8.8	36	14	5.6 U	
03/31/10	SPLIT	30	1.6 J	0.11 U	0.11 U	4.4 J	0.081 U	0.64 J	0.092 U	0.13	0.69 U	0.22	2.4 J	4.2 J	2.6	0.026 U	14 J	0.7 J	1.8 J	0.36 J	1.3 J	0.5 J	0.35 U	
03/31/10	ORIG	30	1.2 J	0.18 U	0.18 U	2.9 J	0.14	0.42 J	0.15 U	0.16 U	1.1 U	0.19 U	1.6 J	3.4 J	2.2	0.041 U	9.6 J	0.53 J	1.2 J	0.22 J	0.53 J	0.18 J	0.58 U	
03/31/10	DUP	30	1.3	0.18 U	0.18 U	2.6	0.17	0.42	0.15 U	0.16 U	1.1 U	0.2 U	1.8	3.6	2.3	0.042 U	5.9 J	0.56	1.3	0.2	0.53	0.18	0.59 U	
04/28/10	SPLIT	20	1.5 J	0.11 U	0.11 U	2.4 J	0.098	0.22 J	0.11	0.13	0.47 J	0.12 U	1.4	2	2.4	0.026 U	15 J	0.53 J	12 J	3.9 J	15 J	5 J	0.35 U	
04/28/10	ORIG	22	1.2 J	0.2 U	0.2 U	1.9 J	0.15 U	0.42 J	0.17 U	0.18 U	3.5 J	0.22 U	1.5	2.2 J	2.4	0.047 U	7.2 J	0.36 J	2.5 J	0.16 UJ	0.32 UJ	0.16 UJ	0.66 U	
04/28/10	DUP	22	1.3	0.21 U	0.21 U	1.6 J	0.15 U	0.37	0.18 U	0.19 U	1.3 U	0.23 U	1.5	2.3 J	2.5	0.049 U	6.7	0.37	0.82 J	0.16 U	0.33 U	0.16 U	0.69 U	
05/27/10	ORIG	640	23	0.7 U	0.7 U	78	0.52 U	0.8 U	0.59 U	1.1	4.4 U	0.77 U	12	53	2.9	0.16 U	49	1.4	6.8	1.3	3.8	1.3	2.3 U	

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**Volatile Organic Compounds (VOCs) Analytical Summary**  
**Indoor Air Analytical Results**

Sample Location	Sample Date	Sample Type	PCE	TCE	1,1,1-TCA	1,1,2-TCA	1,1-DCE	1,2-DCA	CTC	CBN	CFM	MC	1,4-DCB	Freon 11	Freon 113	Freon 12	VC	Acetone	Benzene	Toluene	Ethyl benzene	m,p-Xylenes	o-Xylene	MTBE
	06/24/10	ORIG	3.5	0.22	0.19 U	0.19 U	0.13	0.14 UJ	0.41	0.16 U	0.17 U	1.8 J	0.2 U	1.7	0.6	2.6	0.044 U	35 J	1.8	8.3	1.2	4.4	1.7	0.62 U
	06/24/10	DUP	3.5	0.22	0.18 U	0.18 U	0.36	0.14 UJ	0.39	0.15 U	0.16 U	2.5 J	0.2 U	1.7	0.63	2.5	0.043 U	34 J	1.8	8.4	1.2	4.5	1.8	0.6 U
	07/01/10	ORIG	3.3	0.22	0.18 U	0.18 U	0.12	0.13 U	0.41	0.15 U	0.22	2.3	0.19 U	1.9	0.63	2.7	0.041 U	73	1.4	7.4	0.67	2.1	0.78	0.58 U
	07/08/10	ORIG	2.2	0.19 U	0.19 U	0.19 U	0.069 U	0.14 UJ	0.5	0.16 U	0.17 U	2.5 J	0.21 U	1.6	0.66	2.5	0.045 U	530 E	2	7.4	0.63	1.9	0.69	0.63 U
	07/08/10	DUP	2.1	0.19 U	0.19 U	0.19 U	0.069 U	0.14 UJ	0.42	0.16 U	0.17 U	4 J	0.21 U	1.7	0.67	2.5	0.045 U	540 E	1.9	7.3	0.63	1.8	0.7	0.63 U
	07/28/10	ORIG	3.5	0.36	0.17 U	0.17 U	0.37	0.13	0.4	0.16	0.15 U	6.2	0.19 U	1.2	0.47	2	0.044	74	2 J	68 J	2.6 J	8.3	3.3	0.56 U
	07/28/10	DUP	3.8	0.29	0.17 U	0.17 U	0.39	0.13 U	0.38	0.14 U	0.15 U	2.4	0.19 U	1.2	0.54	2	0.04 U	72	1.5 J	6.1 J	1.8 J	7	3	0.57 U
	08/27/10	ORIG	1.7	0.14 U	0.15 U	0.15 U	0.092	0.11 U	0.43	0.12 U	0.21	3.6	0.16 U	1.7 J	0.66	2.2	0.034 U	39	1.8	18	0.87	2.6	0.86	0.48 U
	08/27/10	DUP	1.5	0.18 U	0.19 U	0.19 U	0.068 U	0.14 U	0.41	0.16 U	0.16 J	2.5	0.2 U	1.7 J	0.57	2.2	0.044 U	31	1.3	12	0.65	1.8	0.58	0.62 U
	09/29/10	SPLIT	2.7 J	0.22	1.2 U	1.2 U	0.45 U	0.91 U	1.4 U	1 U	1.1 U	7.8 U	1.4 U	2	1.7 U	2.9	0.29 U	180	3.6	97 J	74	310	120	4.1 U
	09/29/10	ORIG	1.9 J	0.56 U	0.57 U	0.57 U	1.7 J	0.42 U	0.66 U	0.48 U	0.51 U	9.7	0.63 U	2.4 J	1.8	2.7	0.13 U	210	3.9	120 J	78	340	130	1.9 U
	09/29/10	DUP	1.9 J	0.56 U	0.57 U	0.57 U	0.34 J	0.42 U	0.66 U	0.48 U	0.51 U	9.4	0.63 U	1.6 J	1.1	2.7	0.13 U	190	3.8	120 J	80	350	140	1.9 U
	10/27/10	ORIG	1.5	0.18 U	0.18 U	0.18 U	0.25	0.13 U	0.44	0.15 U	0.29	16 J	0.2 U	1.6 J	3	2.6	0.042 U	53	2.8	20 J	5.7	28	9.8	0.59 U
	10/27/10	DUP	1.5	0.18 U	0.18 U	0.18 U	0.26	0.13 U	0.46	0.15 U	0.23	4.4 J	0.2 U	2.4 J	3.2	2.7	0.042 U	54	2.8	12 J	5.6	28	9.8	0.59 U
	11/30/10	ORIG	1.2	0.18 U	0.18 U	0.18 U	0.14	0.21	0.44 J	0.15 U	0.2	2.3	0.2 U	1.2	0.6	2.5	0.042 U	34	3.2	16	2.5	10	3.7	0.59 U
	11/30/10	DUP	1.2	0.18 U	0.18 U	0.18 U	0.14	0.19	0.46 J	0.15 U	0.16 U	2.3	0.2 U	1.1	0.62	2.6	0.042 U	34	3.2	16	2.6	10	3.7	0.59 U
	12/28/10	ORIG	1.1 J	0.18 U	0.19 U	0.19 U	0.13	0.21	0.47 J	0.16 U	0.17 U	1.2 U	0.2 U	1.5	0.65	2.6	0.044 U	22	2.4	8.5	1	3.2 J	1.2 J	0.62 U
	12/28/10	DUP	1.4 J	0.15 U	0.16 U	0.16 U	0.19	0.18	0.46 J	0.13 U	0.14 J	1.1	0.21	1.5	0.68	2.6	0.037 U	23	2.8	9.7	1.2	4 J	1.5 J	0.52 U
	01/26/11	ORIG	1.3	0.17 U	0.17 U	0.17 U	0.15	0.13 U	0.48 J	0.14 U	0.21	4.5	0.19 U	1.8	1	2.5	0.04 U	410 E	4.7	25	3.4	14	4.3	0.57 U
	01/26/11	DUP	1.3	0.16 U	0.16 U	0.16 U	0.14	0.12 U	0.46 J	0.14 U	0.18	4.5	0.18 U	1.8	1.1	2.5	0.039 U	410 E	4.8	25	3.5	14	4.4	0.55 U
	02/28/11	ORIG	0.92 J	0.74 U	0.75 U	0.75 U	0.27 UJ	0.56 U	0.86 U	0.63 U	0.67 U	4.8 U	0.83 U	1.8	1 U	2.1	0.18 U	250	1.9	54	3.6	9.9	2.4	2.5 U
	02/28/11	DUP	0.95	0.74 U	0.75 U	0.75 U	0.27 UJ	0.56 U	0.86 U	0.63 U	0.67 U	4.8 U	0.83 U	1.8	1 U	2.1	0.18 U	260	1.9	54	3.7	10	2.4	2.5 U
	03/30/11	SPLIT	3.3 J	0.24	0.11 U	0.11 U	0.27 J	0.11	0.62 J	0.092 U	0.28 J	3.7	0.17	1.6	0.83 J	2.7	0.026 U	60	2.5 J	11	3.1 J	11 J	4.6 J	0.36 U
	03/30/11	ORIG	2.2 J	0.19 U	0.2 U	0.2 U	0.24 J	0.14 U	0.46 J	0.16 U	0.21 J	3.7	0.22 U	1.5	0.63 J	2.4	0.046 U	67	1.9 J	9.8	1.8 J	7 J	2.5 J	0.64 U
	04/29/11	ORIG	0.73	0.18 U	0.18 U	0.18 U	0.094	0.15	0.45 J	0.15 U	0.16 U	4.9	0.2 J	2.2 J	0.93	2.9	0.042 U	32	1.1	5.6	0.71	2.1	0.7	0.59 U
	05/31/11	ORIG	2.7	0.17 U	0.18 U	0.18 U	0.29	0.13 UJ	0.53 J	0.15 U	0.23	1.1 U	0.19 U	1.3	0.75	2.6	0.041 U	22	1.4	5.4	0.61	1.9	0.69 J	0.58 U
	06/29/11	ORIG	0.59	0.18 U	0.18 U	0.18 U	0.067 U	0.14 U	0.34	0.15 U	0.16 U	1.2 U	0.2 U	0.86	0.38	1.6	0.043 U	53	0.69	5.8	0.58	1.9	0.63	0.6 U
	07/27/11	SPLIT	0.81	0.081	0.11 U	0.11 U	0.084	0.089	0.6	0.092 U	0.11	0.69 U	0.25	1.3	0.56	2.9	0.026 U	31 E	0.68	5.5 J	0.88 J	2.8 J	1.1 J	0.36 U
	07/27/11	ORIG	0.78	0.17 U	0.17 U	0.17 U	0.063	0.13 U	0.49 J	0.14 U	0.15 U	1.1 U	0.19 UJ	1.3	0.54	2.4	0.04 U	45 J	0.59	3.9 J	0.49 J	1.4 J	0.39 J	0.57 U
	08/31/11	ORIG	1.2	0.17 U	0.18 U	0.18 U	0.077	0.13 U	0.59	0.15 U	0.16 U	1.1 U	0.19 UJ	2.1	0.61	3	0.041 U	30	0.85	18	5.7	27	9.6	0.58 U
	09/27/11	SPLIT	1.3	0.17	0.11 U	0.3	0.085	0.093	0.56	0.092 U	0.43 J	1.9	0.23	1.5	0.69 J	3.1 J	0.026 U	54	2	12 J	2.5 J	11 J	5.4 J	0.36 U
	09/27/11	ORIG	1.3	0.18 U	0.19 U	0.19 U	0.068 U	0.15	0.46	0.16 U	0.29 J	1.6	0.2 U	1.6	0.53 J	2.3 J	0.044 U	66	1.8	8.5 J	1.8 J	6.4 J	2.8 J	0.62 U
	12/21/11	SPLIT	1.3 J	0.12	0.11 U	0.11 U	0.058	0.082 J	0.63	0.092 U	0.2	0.83	0.12	1.6 J	0.81	2.9	0.026 U	37 J	3	12	4 J	14 J	5.6 J	0.36 U
	12/21/11	ORIG	0.74 J	0.19 U	0.19 U	0.19 U	0.07 U	0.22 J	0.72	0.16 U	0.19	1.2 U	0.21 U	1.3 J	0.68	2.6	0.045 U	29 J	2.9	11	2.9 J	11 J	3.9 J	0.63 U
	03/28/12	SPLIT	0.36	0.094	0.11 U	0.11 U	0.058	0.11	0.56 J	0.092 U	0.18	0.69 U	0.13	1.4	0.63	2.4 J	0.026 U	12 J	1.6 J	5.6	1.1 J	3.8 J	1.4 J	0.36 U

**Table 1**  
**Omega Chemical Superfund Site**  
**Volatile Organic Compounds (VOCs) Analytical Summary**  
**Indoor Air Analytical Results**

Sample Location	Sample Date	Sample Type	PCE	TCE	1,1,1-TCA	1,1,2-TCA	1,1-DCE	1,2-DCA	CTC	CBN	CFM	MC	1,4-DCB	Freon 11	Freon 113	Freon 12	VC	Acetone	Benzene	Toluene	Ethyl benzene	m,p-Xylenes	o-Xylene	MTBE
	03/28/12	ORIG	0.3	0.18 U	0.19 U	0.19 U	0.068 U	0.14 U	0.77 J	0.16 U	0.18	1.2 UJ	0.2 U	1.3	0.56	2.4 J	0.044 U	15 J	1.1 J	4.9	0.75 J	2.6 J	0.9 J	0.62 U
Maintenance Shop																								
07/23/08	ORIG	26	1.4	0.2 U	0.2 U	2.1	0.14 U	0.44	0.16 U	0.18	3.7	0.21 J	1.6	2.6	2.2	0.046 U	25	1.6	11	2.2	8.6	2.9	0.64 U	--
07/23/08	EPA	48.13 J	4.83 U	4.91 U	4.91 U	4.36 J	3.64 U	5.66 U	4.14 U	4.39 U	6.25 J	5.41 U	5.06 U	6.9 U	4.45 U	2.3 U	--	2.87 U	15.81	3.91 U	9.99 J	3.91 U	--	--
03/03/09	ORIG	42	15 U	15 U	15 U	11 U	11 U	17 U	12 U	13 U	9.5 U	16 U	15 U	21 U	14 U	7 U	5600 E	8.7 U	2600	12 U	18	12 U	9.9 U	--
07/16/09	ORIG	22	3.8 U	3.8 U	3.8 U	1.7	2.8 U	4.4 U	3.2 U	3.4 U	24 U	4.2 U	3.9 U	5.4 U	3.5 U	0.89 U	2700 E	5.6 U	1700	3 U	6.1 U	3 U	13 U	--
08/25/09	ORIG	12	1.7 U	1.7 U	1.7 U	0.61	1.2 U	2 U	1.4 U	1.5 U	11 U	1.9 U	1.9	2.4 U	2.7	0.4 U	1500 E	4.7	720	2.4	7	2.3	5.6 U	--
09/30/09	ORIG	29	1.9	0.19 U	0.19 U	2	0.14 U	0.57	0.16 U	0.17 U	7.4	0.48	1.7	2.3 J	2.5	0.045 U	130 E	8.6	100	28	120	52	0.63 U	--
10/29/09	ORIG	36	2	0.86 U	0.86 U	2.2 J	0.64 U	0.99 U	0.73 U	0.77 U	6.2	0.95 U	1.9	6.2	2.5	0.2 U	890 E	3	490	2.8	8.8	3.3	2.8 U	--
11/24/09	ORIG	25	1.3	0.2 U	0.2 U	2	0.14 U	0.47	0.16 U	0.17 U	4	0.22 U	1.5	2.1	2.5	0.046 U	64	6.9	36	8.4	33	11	0.64 U	--
12/28/09	ORIG	63	3.3	1 U	1 U	6.4	0.76 U	1.2 U	0.86 U	0.91 U	9.4	1.1 U	3.2	5.3	2.4	0.24 U	1900 E	1.9	25	48	200	73	3.4 U	--
01/27/10	ORIG	24	1.3	0.21 U	0.21 U	2.2	0.15 U	0.48	0.18 U	0.19 U	5.6	0.23 U	2	2	2.5	0.049 U	28	2.4	17	6	25	8.9	0.69 U	--
02/24/10	ORIG	11	0.89	0.21 U	0.21 U	1.1	0.16 U	0.54	0.18 U	0.19 U	3.3	0.23 U	1.6	1.3	2.8 J	0.05 U	1000 E	2.6	38	4.5	20	8	0.7 U	--
03/31/10	ORIG	19	1	0.18 U	0.18 U	1.6	0.2	0.41	0.15 U	0.16 U	7.2	0.2 U	1.3	1.8	2	0.042 U	25	5.3	38	4.3	18	5	0.59 U	--
04/28/10	ORIG	46	2.2	0.15 U	0.15 U	3 J	0.11 U	0.41	0.12 U	0.16	8.7	0.16 U	1.7	2.7 J	2.2	0.035 U	34	1.6	9	0.98	3.5	1.1	0.49 U	--
05/27/10	ORIG	7.9	0.48	0.19 U	0.19 U	1.2	0.14 U	0.52	0.16 U	0.17 U	4.5	0.2 U	1.9	1.6	2.8	0.044 U	140 E	2.3	19	3.7	15	5.1	0.62 U	--
06/18/10	ORIG	2.5 U	2 U	2 U	2 U	0.74 U	1.5 U	2.4 U	1.7 U	1.8 U	13	2.2 U	2.1 U	2.9 U	2.2	0.48 U	1300 E	35	620	64	260	61	6.7 U	--
06/24/10	ORIG	0.68	0.18 U	0.18 U	0.18 U	0.066	0.13 UJ	0.42	0.15 U	0.16 U	4.4	0.2 U	1.6	0.54	2.6	0.058	48 J	6.7	37	6.1	36	17	0.59 U	--
07/01/10	ORIG	5.9 U	4.7 U	4.8 U	4.8 U	3.5 U	3.5 U	5.5 U	4 U	4.3 U	4.8	5.3 U	4.9 U	6.7 U	4.3 U	2.2 U	380	9.7	21	3.8 U	12	4.5	3.2 U	--
07/08/10	ORIG	0.56	0.35 U	0.36 U	0.36 U	0.13 U	0.26 UJ	0.58	0.3 U	0.32 U	5	0.39 U	1.7	0.73	2.4	0.084 U	1000 E	3.8	13	1	3.1	1.1	1.2 U	--
07/28/10	ORIG	0.58	0.18 U	0.18 U	0.18 U	0.067 U	0.37	0.44	0.15 U	0.21	3	0.2 U	1.2	0.4	2.1	0.043 U	41	2.1	12	3.6	14	6.2	0.6 U	--
08/27/10	ORIG	0.66	0.19 U	0.19 U	0.19 U	0.077	0.14 U	0.41	0.16 U	0.17 U	8.7	0.21 U	1.6 J	0.69	2.3	0.045 U	45	2.2	32	1.7	6.1	1.9	0.63 U	--
09/29/10	ORIG	0.65	0.36 U	0.37 U	0.37 U	0.18	0.27 U	0.44	0.31 U	0.33 U	4.2	0.4 U	1.9	1.2	2.8	0.086 U	710 E	2.4	12	8.9	43	17	1.2 U	--
10/27/10	ORIG	0.33	0.18 U	0.18 U	0.18 U	0.12	0.13 U	0.41	0.15 U	0.16 U	3.9	0.2 U	1.5	3	2.5	0.042 U	96 E	2	7.9	5.3	31	12	0.59 U	--
11/30/10	ORIG	0.47	0.18 U	0.18 U	0.18 U	0.065 U	0.21	0.42 J	0.15 U	0.16 U	2.6	0.2 U	1	0.5	2.4	0.042 U	300 E	3.8	18	4.2	18	6.2	0.59 U	--
12/28/10	ORIG	0.74	0.16 U	0.16 U	0.16 U	0.072	0.18	0.47 J	0.14 U	0.14 U	3.6	0.18 U	1.4	0.57	2.5	0.038 U	48	3.5	20	3.6	15	4.5	0.54 U	--
01/26/11	ORIG	0.55	0.22 U	0.23 U	0.23 U	0.083 U	0.17 U	0.49 J	0.19 U	0.2 U	3.7	0.25 U	1.5	0.62	2.4	0.054 U	760 E	10	130	8.8	36	9.3	0.76 U	--
02/28/11	ORIG	58 U	46 U	47 U	47 U	34 U	35 U	54 U	39 U	42 U	30 U	51 U	48 U	66 U	42 U	22 U	8700 E	27 U	2200	91	260	48	31 U	--
03/30/11	ORIG	0.54	0.17 U	0.18 U	0.18 U	0.064 U	0.23	0.49	0.15 U	0.17	3.1	0.19 U	1.4	0.54	2.3	0.041 U	300 E	6.4	29	4.4	20	6	0.58 U	--
04/29/11	SPLIT	0.46 J	0.055	0.11 U	0.11 U	0.046	0.081 U	0.55	0.092 U	0.14	8.1	0.12 J	1.6 J	0.73	2.6	0.026 U	28 J	3.3	24 J	6.6 J	27 J	11 J	0.46	--
04/29/11	ORIG	0.32 J	0.18 U	0.18 U	0.18 U	0.067 U	0.19	0.44 J	0.15 U	0.16 U	7.8	0.2 J	2 J	0.65	2.8	0.043 U	40 J	3.1	18 J	2.6 J	10 J	3 J	0.6 U	--
05/31/11	SPLIT	2.1 J	0.14	0.11 U	0.11 U	0.13	0.097	0.62	0.092 U	0.28	0.78	0.24	1.2	0.73	2.6	0.026 U	21 J	2.8	29	2.1 J	7.7 J	3.3	0.36 U	--
05/31/11	ORIG	1.5 J	0.19 U	0.2 U	0.2 U	0.12	0.14 UJ	0.52 J	0.16 U	0.25	1.2 U	0.22 U	1.3	0.66	2.5	0.046 U	29 J	2.5	25	1.2 J	4.4 J	1.6 J	0.64 U	--
06/29/11	Split	0.51 J	0.065	0.11 U	0.11 U	0.04 U	0.12	0.63 J	0.092 U	0.13	0.69 U	0.14	1.3	0.62	0.86 J	0.026 U	41	2.4 J	16	4.4 J	14 J	6.7 J	0.36 U	--
06/29/11	ORIG	0.37 J	0.18 U	0.18 U	0.18 U	0.065 U	0.13 U	0.45 J	0.34	0.16 U	1.2	0.2 UJ	1.2	0.56	2.4 J	0.042 U	34	3 J	13	2.1 J	7.4 J	2.5 J	0.59 U	--

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Sample Location	Sample Date	Sample Type	PCE	TCE	1,1,1-TCA	1,1,2-TCA	1,1-DCE	1,2-DCA	CTC	CBN	CFM	MC	1,4-DCB	Freon 11	Freon 113	Freon 12	VC	Acetone	Benzene	Toluene	Ethyl benzene	m,p-Xylenes	o-Xylene	MTBE
	07/27/11	ORIG	0.57	0.19 U	0.19 U	0.19 U	0.069 U	0.14 U	0.53 J	0.54	0.17 U	1.4	0.21 UJ	1.4	0.58	2.6	0.045 U	100 E	7	36	6.1	25	8	0.63 U
	08/31/11	Split	1.1	0.11	0.48 U	0.48 U	0.17 U	0.35 U	0.55 U	0.49	0.43 U	3 U	0.53 U	2.1	0.75	2.7	0.11 U	68 J	3.3	180	72 J	300	150 J	1.6 U
	08/31/11	ORIG	1	0.47 U	0.48 U	0.53	0.17 U	0.35 U	0.58	0.4 U	0.43 U	3 U	0.53 UJ	2	0.67	3	0.11 U	93 J	3	160	54 J	250	98 J	1.6 U
	09/27/11	ORIG	0.92	0.19 U	0.19 U	0.19 U	0.069 U	0.14 U	0.46	0.2	0.32	1.7	0.21 U	1.7	0.56	2.5	0.045 U	120 E	2.2	13	3.1	13	4.8	0.63 U
	12/21/11	ORIG	0.46	0.18 U	0.18 U	0.18 U	0.067 U	0.17	0.71	0.16 U	0.17 U	1.2 U	0.2 U	1.3	0.61	2.6	0.043 U	290 E	4.4	24	27	110	42	0.61 U
	03/28/12	ORIG	0.38	0.17 U	0.17 U	0.17 U	0.061 U	0.14	0.74	0.14 U	0.17	1.1 J	0.19 U	1.3	0.63	2.4	0.04 U	33	3.1	52	10	47	15 J	0.56 U
Second floor office area																								
	05/11/04	ORIG	100	4	0.49	0.2 U	21	0.15 U	0.62	0.17 U	0.23	1.4	0.22 U	6.9	26	2.6	0.046 U	43	1.4	8.7	1.5	5.5	2.1	0.66 U
	09/14/05	ORIG	45	1.7	0.2 U	0.2 U	6	0.15 U	0.63	0.17 U	0.21	1.3	0.22 U	3.4	6.8	1.5	0.047 U	37	1.2	6.5	0.95	3.3	0.96	0.66 U
	07/23/08	ORIG	140	5.9	0.19 U	0.19 U	12	0.14 U	0.44	0.16 U	0.43	1.5	0.21 U	3.1	10	2.3	0.045 U	37	0.88	7	0.88	3.1	1.1	0.63 U
	03/03/09	ORIG	330	12	0.52 U	0.52 U	41	0.39 U	0.6 U	0.44 U	0.59	3.3 U	0.57 U	11	37	2.5	0.12 U	110	2	49	1.5	4.9	2	1.7 U
	07/16/09	ORIG	47	2.1	0.19 U	0.19 U	2.6	0.14 U	0.55	0.16 U	0.31	1.4	0.21 U	2	1.6	2.4	0.045 U	180 E	1.7	89	0.65	2	0.7	0.63 U
	08/25/09	ORIG	18	1.1	0.16 U	0.16 U	0.92	0.12 U	0.54	0.14 U	0.33	1.5	0.18 U	1.6	1.2	2.6	0.039 U	54	1.9	13	0.81	2.4	0.78	0.55 U
	09/30/09	ORIG	39	1.7	0.19 U	0.19 U	1.4	0.14 U	0.64	0.16 U	0.22	4.2	0.2 U	1.7	1.8 J	2.9	0.044 U	34	2.1	28	7.3	38	13	0.62 U
	10/29/09	ORIG	95	3.8	0.19 U	0.19 U	4.7 J	0.14 U	0.43	0.16 U	0.28	1.9	0.2 U	2	8.1	2.4	0.044 U	79	2.1	22	1	3	1.1	0.62 U
	11/24/09	ORIG	240	9.5	0.35 U	0.35 U	19	0.26 U	0.42	0.3 U	0.61	3.2	0.39 U	4.2	14	2.4	0.082 U	84	3.1	19	4.2	14	5	1.2 U
	12/28/09	ORIG	520	20	0.89 U	0.89 U	57	0.66 U	1 U	0.76 U	0.97	8.6	0.99 U	14	39	2.2	0.21 U	2300 E	2.8	34	39	150	47	3 U
	01/27/10	ORIG	540	20	0.81 U	0.81 U	59	0.6 U	0.94 U	0.68 U	1.1	5.3	0.9 U	14	40	2.2	0.19 U	86	3.7	40	6.6	23	8.3	2.7 U
	02/24/10	ORIG	970	36	1.4 U	1.4 U	100	1.1 U	1.6 U	1.2 U	1.8	9.2 U	1.6 U	20	74	2.8 J	0.34 U	110	5	37	12	48	19	4.7 U
	03/31/10	ORIG	48	1.8	0.2 U	0.2 U	3.6	0.15 U	0.42	0.17 U	0.18 U	1.3 U	0.22 U	1.8	4.2	2.2	0.047 U	13	0.51	1.4	0.2	0.56	0.2	0.66 U
	04/28/10	ORIG	62	2.9	0.2 U	0.2 U	4.7 J	0.15 U	0.42	0.17 U	0.18 U	1.3 U	0.22 U	2	4.4 J	2.4	0.047 U	12	0.43	1.2	0.16	0.45	0.16	0.66 U
	05/27/10	ORIG	660	24	0.7 U	0.7 U	85	0.52 U	0.81 U	0.59 U	1.2	5.7	0.78 U	12	54	2.9	0.16 U	54	1.9	11	2	6.1	2	2.3 U
	06/24/10	ORIG	3.9	0.24	0.19 U	0.19 U	0.43	0.14 UJ	0.4	0.16 U	0.17 U	2.6	0.21 U	1.8	0.59	2.5	0.045 U	43 J	3.2	16	2.4	11	4.3	0.63 U
	07/01/10	ORIG	3.4	0.36 U	0.37 U	0.37 U	0.17	0.27 U	0.42 J	0.31 U	0.33 U	3.2	0.4 U	2.1	0.71	2.5	0.086 U	120	3	9.1	0.98	3	1.2	1.2 U
	07/08/10	ORIG	1.5	0.25 U	0.26 U	0.26 U	0.093 U	0.19 UJ	0.42	0.22 U	0.23 U	4	0.28 U	1.6	0.64	2.5	0.06 U	770 E	3.2	12	0.95	2.9	1	0.84 U
	07/28/10	ORIG	4	0.29	0.18 U	0.18 U	0.24	0.14 U	0.38	0.15 U	0.16 U	3.9	0.2 U	1.4	0.54	2	0.043 U	150 E	1.9	9.2	2.8	11	4.6	0.6 U
	08/27/10	ORIG	2	0.22 U	0.22 U	0.22 U	0.08 U	0.16 U	0.4	0.18 U	0.2 U	3.4	0.24 U	1.8 J	0.59	2.1	0.051 U	42	1.5	16	0.83	2.4	0.96	0.72 U
	09/29/10	ORIG	2.4	0.88 U	0.89 U	0.89 U	0.54	0.66 U	1 U	0.76 U	0.8 U	17	0.99 U	2.9	1.4	2.5	0.21 U	320	5.6	200	130	520	200	3 U
	10/27/10	ORIG	1.3	0.18 U	0.18 U	0.18 U	0.24	0.14 U	0.43	0.15 U	0.25	12	0.2 U	2.4	3	2.5	0.043 U	56	2.5	16	5.2	27	9.3	0.6 U
	11/30/10	ORIG	1	0.18 U	0.18 U	0.18 U	0.12	0.16	0.42 J	0.15 U	0.16 U	2.4	0.2 U	1.1	0.61	2.5	0.042 U	34	3	16	2.5	10	3.6	0.59 U
	12/28/10	ORIG	1.4	0.14	0.14 U	0.14 U	0.25	0.17	0.5 J	0.12 U	0.14	1.3	0.21	1.6	0.7	2.5	0.034 U	30	2.9	13	1.5	5	1.6	0.48 U
	01/26/11	ORIG	1.3	0.2 U	0.2 U	0.2 U	0.14	0.15 U	0.52 J	0.17 U	0.31	4.1	0.22 U	1.8	0.98	2.6	0.048 U	410 E	4.5	25	3.3	13	4.2	0.67 U
	02/28/11	ORIG	0.68	0.34 U	0.34 U	0.34 U	0.14 J	0.25 U	0.4	0.29 U	0.3 U	2.2 U	0.38 U	1.7	0.66	2.3	0.08 U	130	1.5	27	2	5.4	1.4	1.1 U
	03/30/11	ORIG	1.1	0.18 U	0.18 U	0.18 U	0.16 J	0.17	0.52	0.15 U	0.2	2.8	0.2 U	1.7	0.75	2.6	0.042 U	39	1.7	7.5	1.2	4.1	1.4	0.59 U
	04/29/11	ORIG	0.68	0.18 U	0.18 U	0.18 U	0.081	0.16	0.39 J	0.15 U	0.16 U	4.5	0.2 J	2.2 J	0.9	2.9	0.042 U	31	1.2	6.3	0.68	2	0.67	0.59 U









**Table 1**  
**Omega Chemical Superfund Site**  
**Volatile Organic Compounds (VOCs) Analytical Summary**  
**Indoor Air Analytical Results**

Sample Location	Sample Date	Sample Type	PCE	TCE	1,1,1-TCA	1,1,2-TCA	1,1-DCE	1,2-DCA	CTC	CBN	CFM	MC	1,4-DCB	Freon 11	Freon 113	Freon 12	VC	Acetone	Benzene	Toluene	Ethyl benzene	m,p-Xylenes	o-Xylene	MTBE
	08/31/11	ORIG	6.1	0.35	0.2 U	0.2 U	0.92	0.15 U	0.59	0.17 U	0.28	1.3 U	0.22 UJ	2.1	1.2	3	0.048 U	17	0.51	1.5	0.21	0.55	0.2	0.67 U
	09/27/11	ORIG	5.6	0.39	0.19 U	0.19 U	4.1	0.14 U	0.44	0.16 U	0.32	2	0.21 U	3.2	1.2	2.4	0.045 U	32	1.7	5.5	1.6	7.9	4.9	0.63 U
	10/28/11	ORIG	2.5	0.23	0.2 U	0.2 U	0.37	0.15	0.53	0.17 U	0.41	1.3 U	0.22 U	1.5	0.81	2.6	0.047 U	50	1.9	6.9	1	3.8	1.4	0.66 U
	11/30/11	ORIG	4	0.37	0.19 U	0.19 U	0.54	0.18	0.48	0.16 U	0.36	1.6	0.21 UJ	1.5	1.2	2.4	0.045 U	39	2.4	8	1.2	4.1	1.5	0.63 U
	03/28/12	ORIG	0.36	0.18 U	0.19 U	0.19 U	0.084	0.14 U	0.69	0.16 U	0.17 U	1.2 UJ	0.2 U	1.3	0.64	2.4	0.044 U	8.8	1.1	3.1	0.49	1.6	0.57 J	0.62 U
	04/30/12	ORIG	0.23 U	0.18 U	0.19 U	0.19 U	0.2	0.14 U	0.41	0.16 U	0.17 U	1.2 U	0.2 U	1.2	0.56	0.17 U	0.044 U	13	0.51	1.1	0.19	0.55	0.29	0.62 U

**Notes:**

Concentrations are reported in micrograms per cubic meter (ug/m<sup>3</sup>)

Concentrations for EPA samples are reported in ug/m<sup>3</sup>, which were calculated from ppb (v/v) results and then rounded to the appropriate number of significant figures.

Only compounds detected in one or more air samples more than once are shown.

VOCs analyzed by EPA Method TO-15 SIM.

U = Not detected at a concentration greater than the reporting limit shown.

J = Detected at an estimated concentration between the laboratory reporting and method detection limits, or estimated result due to field or laboratory quality control issues

E = Estimated concentration - exceeds upper calibration range of instrument.

-- = Analyte not reported.

PCE = Tetrachloroethene; TCE = Trichloroethene; TCA = Trichloroethane; DCE = Dichloroethene; CTC = Carbon tetrachloride; CBN = Chlorobenzene; CFM = Chloroform; MC = Methylene chloride; DCB = Dichlorobenzene; Freon 11 = Trichlorofluoromethane; Freon 113 = 1,1,2-Trichloro-1,2,2-trifluoroethane; Freon 12 = Dichlorodifluoromethane; VC = Vinyl chloride; MTBE = Methyl tert-butyl ether.

Sample Type:

ORIG = Original sample

DUP = Duplicate sample

SPLIT = Split sample - analyzed by different laboratory than primary sample.

EPA = Sample collected by EPA

**Table 2****Indoor Air Sampling Results - April 30, 2012**

Regional Occupational Program (ROP) - 12519 East Washington Blvd.

Samples ROP1 through ROP5 and ROP1 Split (Calscience Environmental Laboratories)

Omega Chemical Corporation Superfund Site, Whittier California

Chemical Name	Air Concentrations						Health Protective Screening Criteria			
	Indoor Building (ug/m <sup>3</sup> )			Outdoor Air <sup>3</sup>			Long-Term Exposure <sup>1</sup>		Short Term Exposure <sup>2</sup>	
	minimum	maximum <sup>4</sup>		ug/m <sup>3</sup>		ug/m <sup>3</sup>	Key	ug/m <sup>3</sup>	Key	
1,1,1-Trichloroethane (1,1,1-TCA)	0.11	U	0.19	U	0.19	U	22,000	nc	3,800	nc
1,1,2,2-Tetrachloroethane (1,1,2,2-PCA)	0.14	U	0.23	U	0.23	U	0.21	ca	--	--
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	0.47		0.64		0.62		130,000	nc	--	--
1,1,2-Trichloroethane	0.11	U	0.19	U	0.19	U	0.77	ca	--	--
1,1-Dichloroethane	0.081	U	0.14	U	0.14	U	7.7	ca	--	--
1,1-Dichloroethene (1,1-DCE)	0.16		0.56		0.82		880	nc	79	nc
1,2-Dichlorobenzene	0.12	U	0.20	U	0.20	U	880	nc	--	--
1,2-Dichloroethane	0.091	J	0.091	J	0.072		0.47	ca	--	--
1,4-Dichlorobenzene	0.12	U	0.20	U	0.20	U	1.1	ca	1,200	nc
Acetone	15		240	E	15	J	140,000	nc	31,000	nc
Benzene	0.50		0.78		0.69		1.6	ca	19	nc
Carbon Tetrachloride	0.42		0.59		0.51		2.0	ca	190	nc
Chlorobenzene	0.092	U	0.16	U	0.16	U	220	nc	--	--
Chloroform	0.14	J	0.26		0.11		0.53	ca	240	nc
cis-1,2-Dichloroethene	0.079	U	0.14	U	0.14	U	--	--	--	--
Dichlorodifluoromethane (Freon 12)	0.16	U	2.5	J	2.3	J	440	nc	--	--
Ethylbenzene	0.20		0.50		0.30		4.9	ca	3,000	nc
m,p-Xylenes	0.52		1.2	J	0.87		440	nc	2,600	nc
Methyl tert-butyl ether	0.36	U	0.62	U	0.62	U	47	ca	2,500	nc
Methylene Chloride	1.1	U	4.2		1.2	U	1,200	ca	1,000	nc
o-Xylene	0.19	J	0.48	J	0.34		440	nc	2,600	nc
Tetrachloroethene (PCE)	0.22	U	0.32		0.38		47	ca	--	--
Toluene	1.3		3.7		1.5		22,000	nc	--	--
trans-1,2-Dichloroethene	0.40	U	0.68	U	0.68	U	260	nc	800	nc
trans-1,3-Dichloropropene	0.091	U	0.16	U	0.16	U	3.1	ca	36	nc
Trichloroethene (TCE)	0.054	U	0.18	U	0.18	U	3.0	ca	540	nc
Trichlorofluoromethane (Freon 11)	1.2		1.5		1.6		3,100	nc	--	--
Vinyl chloride	0.026	U	0.044	U	0.044	U	2.8	ca	77	nc

ug/m<sup>3</sup> = micrograms per cubic meter of air

-- = value not available

U = Chemical not detected. Lab detection limit for chemical is listed.

E = Chemical detected at levels above the calibration range. Quantitatively estimated.

J = Quantitatively estimated

**Bold value** = measured value exceeds 3 times the outdoor air conc and either the Long-Term or Short-Term Protective Screening criteria

nc = noncancer

ca = cancer

**Notes on Health Protective Screening Criteria:**

<sup>1</sup> **Long-Term Exposure Criteria:** EPA's acceptable risk range is 1 in 10,000 to 1 in 1,000,000 lifetime cancer risk. These air concentration values correspond to a 1 in one-million lifetime cancer risk (indicated by "ca") for suspected cancer-causing substances (i.e., carcinogens). For chemicals that are not carcinogens, the air concentration values are protective of noncancer effects, (indicated by "nc") using standard U.S. Environmental Protection Agency (EPA) exposure assumptions for commercial use. (<http://www.epa.gov/region09/superfund/prg/index.html> [May 2012]. Exceeding these EPA Industrial Air Regional Screening Levels (RSL) suggests that further evaluation is necessary but does not necessarily mean that a problem exists.

<sup>2</sup> **Short Term Exposure Criteria:** These values represent health protective air exposure concentrations for short-term exposures, developed by the Agency for Toxic Substances and Disease Registry (ATSDR) as Intermediate Minimal Risk Levels (MRLs) using residential exposure assumptions for periods of more than 14 but less than 365 days. (<http://www.atsdr.cdc.gov/mrls/>) [December 2009]. Exceeding these ATSDR MRLs suggests that further evaluation is necessary but does not necessarily mean that a problem exists. Further note that the MRL values assume continuous (24 hours per day, 7 days per week) exposure and have not been adjusted for occupational exposures (8 hours per day, 5 days per week).

- Risk Value calculated by dividing measured indoor air concentrations by long-term health protective screening criteria. If chemical is designated as cancer (ca), risk value is multiplied by 1e-6

**Sources:**<sup>3</sup> Maximum concentration detected at Ambient Air Sample AA8<sup>4</sup> Maximum detected concentration.

**Table 3****Indoor Air Sampling Results - April 30, 2012**

Women and Children's Crisis Shelter - 12519 East Washington Blvd.

Samples WCCS2 through WCCS4; WCCS6, WCCS7 (and WCCS7 Duplicate)

Omega Chemical Corporation Superfund Site, Whittier California

Chemical Name	Air Concentrations					Health Protective Screening Criteria			
	Indoor Building (ug/m <sup>3</sup> )		Outdoor Air <sup>3</sup>		ug/m <sup>3</sup>	Long-Term Exposure <sup>1</sup>	Short Term Exposure <sup>2</sup>		
	minimum	maximum <sup>4</sup>	ug/m <sup>3</sup>	ug/m <sup>3</sup>			ug/m <sup>3</sup>	Key	ug/m <sup>3</sup>
1,1,1-Trichloroethane (1,1,1-TCA)	0.18	U	0.19	U	0.19	22,000	nc	3,800	nc
1,1,2,2-Tetrachloroethane (1,1,2,2-PCA)	0.23	U	0.24	U	0.23	0.21	ca	--	--
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	0.51		1.0		0.62	130,000	nc	--	--
1,1,2-Trichloroethane	0.18	U	0.19	U	0.19	0.77	ca	--	--
1,1-Dichloroethane	0.14	U	0.14	U	0.14	7.7	ca	--	--
1,1-Dichloroethene (1,1-DCE)	0.20		0.43	J	0.82	880	nc	79	nc
1,2-Dichlorobenzene	0.20	U	0.21	U	0.20	880	nc	--	--
1,2-Dichloroethane	0.14	U	0.21		0.072	0.47	ca	--	--
1,4-Dichlorobenzene	0.20	U	0.21	U	0.20	U	ca	1,200	nc
Acetone	12	J	31	J	15	140,000	nc	31,000	nc
Benzene	0.51		1.1	J	0.69	1.6	ca	19	nc
Carbon Tetrachloride	0.40		1.0	J	0.51	2.0	ca	190	nc
Chlorobenzene	0.15	U	0.16	U	0.16	220	nc	--	--
Chloroform	0.16	U	0.23		0.11	0.53	ca	240	nc
cis-1,2-Dichloroethene	0.13	U	0.14	U	0.14	U	--	--	--
Dichlorodifluoromethane (Freon 12)	0.17	U	0.17	U	2.3	J	440	nc	--
Ethylbenzene	0.18		0.43		0.30		ca	3,000	nc
m,p-Xylenes	0.54		1.3	J	0.87	440	nc	2,600	nc
Methyl tert-butyl ether	0.60	U	0.63	U	0.62	U	ca	2,500	nc
Methylene Chloride	1.2	U	1.3		1.2	1,200	ca	1,000	nc
o-Xylene	0.21		0.59		0.34	440	nc	2,600	nc
Tetrachloroethene (PCE)	0.23	U	0.49		0.38	47	ca	--	--
Toluene	1.1		2.9	J	1.5	22,000	nc	--	--
trans-1,2-Dichloroethene	0.67	U	0.69	U	0.68	U	nc	800	nc
trans-1,3-Dichloropropene	0.15	U	0.16	U	0.16	U	ca	36	nc
Trichloroethene (TCE)	0.18	U	0.19	U	0.18	U	ca	540	nc
Trichlorofluoromethane (Freon 11)	1.1		3.1	J	1.6	3,100	nc	--	--
Vinyl chloride	0.043	U	0.045	U	0.044	U	ca	77	nc

ug/m<sup>3</sup> = micrograms per cubic meter of air

-- = value not available

U = Chemical not detected. Lab detection limit for chemical is listed

J = Quantitatively estimated

Bold value = measured value exceeds 3 times the outdoor air conc and either the Long-Term or Short-Term Protective Screening criteria.

nc = noncancer

ca = cancer

**Notes on Health Protective Screening Criteria:**

<sup>1</sup> **Long-Term Exposure Criteria:** EPA's acceptable risk range is 1 in 10,000 to 1 in 1,000,000 lifetime cancer risk. These air concentration values correspond to a 1 in one-million lifetime cancer risk (indicated by "ca") for suspected cancer-causing substances (i.e., carcinogens). For chemicals that are not carcinogens, the air concentration values are protective of noncancer effects, (indicated by "nc") using standard U.S. Environmental Protection Agency (EPA) exposure assumptions for commercial use. (<http://www.epa.gov/region09/superfund/prg/index.html> [May 2012]). Exceeding these EPA Industrial Air Regional Screening Levels (RSL) suggests that further evaluation is necessary but does not necessarily mean that a problem exists.

<sup>2</sup> **Short Term Exposure Criteria:** These values represent health protective air exposure concentrations for short-term exposures, developed by the Agency for Toxic Substances and Disease Registry (ATSDR) as Intermediate Minimal Risk Levels (MRLs) using residential exposure assumptions for periods of more than 14 but less than 365 days. (<http://www.atsdr.cdc.gov/mrls/>) [December 2009]. Exceeding these ATSDR MRLs suggests that further evaluation is necessary but does not necessarily mean that a problem exists. Further note that the MRL values assume continuous (24 hours per day, 7 days per week) exposure and have not been adjusted for occupational exposures (8 hours per day, 5 days per week).

- Risk Value calculated by dividing measured indoor air concentrations by long-term health protective screening criteria. If chemical is designated as cancer (ca), risk value is multiplied by 1e-6

**Sources:**<sup>3</sup> Ambient Air Sample AA8<sup>4</sup> Maximum detected concentration.

**Table 4****Indoor Air Sampling Results - April 30, 2012**

Fred R. Rippy - 12471 E. Washington Blvd.

Samples FRR1 through FRR3 (and FRR1 Duplicate)

Omega Chemical Corporation Superfund Site, Whittier California

Chemical Name	Air Concentrations				Health Protective Screening Criteria			
	Indoor Building (ug/m <sup>3</sup> )		Outdoor Air <sup>3</sup>		Long-Term Exposure <sup>1</sup>		Short Term Exposure <sup>2</sup>	
	minimum	maximum <sup>4</sup>	ug/m <sup>3</sup>	ug/m <sup>3</sup>	ug/m <sup>3</sup>	Key	ug/m <sup>3</sup>	Key
1,1,1-Trichloroethane (1,1,1-TCA)	0.18	U	0.19	U	0.19	U	22,000	nc
1,1,2,2-Tetrachloroethane (1,1,2,2-PCA)	0.23	U	0.23	U	0.23	U	0.21	ca
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	0.41		0.60	U	0.62		130,000	nc
1,1,2-Trichloroethane	0.18	U	0.19	U	0.19	U	0.77	ca
1,1-Dichloroethane	0.14	U	0.14	U	0.14	U	7.7	ca
1,1-Dichloroethene (1,1-DCE)	0.067	U	0.068	U	0.82		880	nc
1,2-Dichlorobenzene	0.20	U	0.20	U	0.20	U	880	nc
1,2-Dichloroethane	0.14	U	0.29		0.072		0.47	ca
1,4-Dichlorobenzene	0.20	U	9.2		0.20	U	1.1	ca
Acetone	16		28		15	J	140,000	nc
Benzene	0.52		0.58		0.69		1.6	ca
Carbon Tetrachloride	0.37		0.42		0.51		2.0	ca
Chlorobenzene	0.15	U	0.16	U	0.16	U	220	nc
Chloroform	0.16	U	0.17	U	0.11		0.53	ca
cis-1,2-Dichloroethene	0.13	U	0.14	U	0.14	U	--	--
Dichlorodifluoromethane (Freon 12)	0.17	U	0.17	U	2.3	J	440	nc
Ethylbenzene	0.24		0.30		0.30		4.9	ca
m,p-Xylenes	0.73		0.84		0.87		440	nc
Methyl tert-butyl ether	0.60	U	0.62	U	0.62	U	47	ca
Methylene Chloride	1.2	U	1.2	U	1.2		1,200	ca
o-Xylene	0.27		0.36		0.34		440	nc
Tetrachloroethene (PCE)	0.24		0.63		0.38		47	ca
Toluene	1.6		3.5		1.5		22,000	nc
trans-1,2-Dichloroethene	0.67	U	0.68	U	0.68	U	260	nc
trans-1,3-Dichloropropene	0.15	U	0.16	U	0.16	U	3.1	ca
Trichloroethene (TCE)	0.18	U	0.18	U	0.18	U	3.0	ca
Trichlorofluoromethane (Freon 11)	1.0		1.1		1.6		3,100	nc
Vinyl chloride	0.043	U	0.044	U	0.044	U	2.8	ca
							77	nc

ug/m<sup>3</sup> = micrograms per cubic meter of air

-- = value not available

U = Chemical not detected. Lab detection limit for chemical is listed.

J = Quantitatively estimated

**Bold value** = measured value exceeds 3 times the outdoor air conc and either the Long-Term or Short-Term Protective Screening criteria.

nc = noncancer

ca = cancer

**Notes on Health Protective Screening Criteria:**

<sup>1</sup> **Long-Term Exposure Criteria:** EPA's acceptable risk range is 1 in 10,000 to 1 in 1,000,000 lifetime cancer risk. These air concentration values correspond to a 1 in one-million lifetime cancer risk (indicated by "ca") for suspected cancer-causing substances (i.e., carcinogens). For chemicals that are not carcinogens, the air concentration values are protective of noncancer effects, (indicated by "nc") using standard U.S. Environmental Protection Agency (EPA) exposure assumptions for commercial use. (<http://www.epa.gov/region09/superfund/prg/index.html> [May 2012]. Exceeding these EPA Industrial Air Regional Screening Levels (RSL) suggests that further evaluation is necessary but does not necessarily mean that a problem exists.

<sup>2</sup> **Short Term Exposure Criteria:** These values represent health protective air exposure concentrations for short-term exposures, developed by the Agency for Toxic Substances and Disease Registry (ATSDR) as Intermediate Minimal Risk Levels (MRLs) using residential exposure assumptions for periods of more than 14 but less than 365 days. (<http://www.atsdr.cdc.gov/mrls/>) [December 2009]. Exceeding these ATSDR MRLs suggests that further evaluation is necessary but does not necessarily mean that a problem exists. Further note that the MRL values assume continuous (24 hours per day, 7 days per week) exposure and have not been adjusted for occupational exposures (8 hours per day, 5 days per week).

- Risk Value calculated by dividing measured indoor air concentrations by long-term health protective screening criteria. If chemical is designated as cancer (ca), risk value is multiplied by 1e-6

**Sources:**<sup>3</sup> Maximum concentration detected at Ambient Air Sample AA8<sup>4</sup> Maximum detected concentration.

**Table 5****Indoor Air Sampling Results - April 18, 2012**

Merchants Metals - 12482 Putnam Street

Samples MM1 and MM2

Omega Chemical Corporation Superfund Site, Whittier California

Chemical Name	Air Concentrations				Health Protective Screening Criteria			
	Indoor Building (ug/m <sup>3</sup> )		Outdoor Air <sup>3</sup>		Long-Term Exposure <sup>1</sup>		Short Term Exposure <sup>2</sup>	
	minimum	maximum <sup>4</sup>	ug/m <sup>3</sup>	ug/m <sup>3</sup>	ug/m <sup>3</sup>	Key	ug/m <sup>3</sup>	Key
1,1,1-Trichloroethane (1,1,1-TCA)	0.19	U	0.22	0.19	U	22,000	nc	3,800
1,1,2,2-Tetrachloroethane (1,1,2,2-PCA)	0.23	U	0.23	U	0.23	U	0.21	ca
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	2.2		75	0.62		130,000	nc	--
1,1,2-Trichloroethane	0.19	U	0.19	U	0.19	U	0.77	ca
1,1-Dichloroethane	0.14	U	0.14	U	0.14	U	7.7	ca
1,1-Dichloroethene (1,1-DCE)	0.64		45	0.82		880	nc	79
1,2-Dichlorobenzene	0.20	U	0.20	U	0.20	U	880	nc
1,2-Dichloroethane	0.15	J	0.16	J	0.072		0.47	ca
1,4-Dichlorobenzene	0.20	U	0.70		0.20	U	1.1	ca
Acetone	21		27	15	J	140,000	nc	31,000
Benzene	1.3		3.4	0.69		1.6	ca	19
Carbon Tetrachloride	0.81	J	1.1	J	0.51		2.0	ca
Chlorobenzene	0.16	U	0.16	U	0.16	U	220	nc
Chloroform	0.26		0.26	0.11		0.53	ca	240
cis-1,2-Dichloroethene	0.14	U	0.14	U	0.14	U	--	--
Dichlorodifluoromethane (Freon 12)	2.8		3.0	2.3	J	440	nc	--
Ethylbenzene	0.89		3.5	0.30		4.9	ca	3,000
m,p-Xylenes	3.3		14	0.87		440	nc	2,600
Methyl tert-butyl ether	0.62	U	0.62	U	0.62	U	47	ca
Methylene Chloride	1.2		1.9	1.2	U	1,200	ca	1,000
o-Xylene	1.3		4.5	0.34		440	nc	2,600
Tetrachloroethene (PCE)	0.77		60	0.38		47	ca	--
Toluene	8.2		26	1.5		22,000	nc	--
trans-1,2-Dichloroethene	0.68	U	0.68	U	0.68	U	260	nc
trans-1,3-Dichloropropene	0.16	U	0.16	U	0.16	U	3.1	ca
Trichloroethene (TCE)	0.24		8.5	0.18	U	3.0	ca	540
Trichlorofluoromethane (Freon 11)	1.8		18	1.6		3,100	nc	--
Vinyl chloride	0.044	U	0.044	U	0.044	U	2.8	ca
							77	nc

ug/m<sup>3</sup> = micrograms per cubic meter of air

-- = value not available

U = Chemical not detected. Lab detection limit for chemical is listed.

J = Quantitatively estimated

**Bold value** = measured value exceeds 3 times the outdoor air conc and either the Long-Term or Short-Term Protective Screening criteria.

nc = noncancer

ca = cancer

**Notes on Health Protective Screening Criteria:**

<sup>1</sup> **Long-Term Exposure Criteria:** EPA's acceptable risk range is 1 in 10,000 to 1 in 1,000,000 lifetime cancer risk. These air concentration values correspond to a 1 in one-million lifetime cancer risk (indicated by "ca") for suspected cancer-causing substances (i.e., carcinogens). For chemicals that are not carcinogens, the air concentration values are protective of noncancer effects, (indicated by "nc") using standard U.S. Environmental Protection Agency (EPA) exposure assumptions for commercial use. (<http://www.epa.gov/region09/superfund/prg/index.html> [May 2012]. Exceeding these EPA Industrial Air Regional Screening Levels (RSL) suggests that further evaluation is necessary but does not necessarily mean that a problem exists.

<sup>2</sup> **Short Term Exposure Criteria:** These values represent health protective air exposure concentrations for short-term exposures, developed by the Agency for Toxic Substances and Disease Registry (ATSDR) as Intermediate Minimal Risk Levels (MRLs) using residential exposure assumptions for periods of more than 14 but less than 365 days. (<http://www.atsdr.cdc.gov/mrls/>) [December 2009]. Exceeding these ATSDR MRLs suggests that further evaluation is necessary but does not necessarily mean that a problem exists. Further note that the MRL values assume continuous (24 hours per day, 7 days per week) exposure and have not been adjusted for occupational exposures (8 hours per day, 5 days per week).

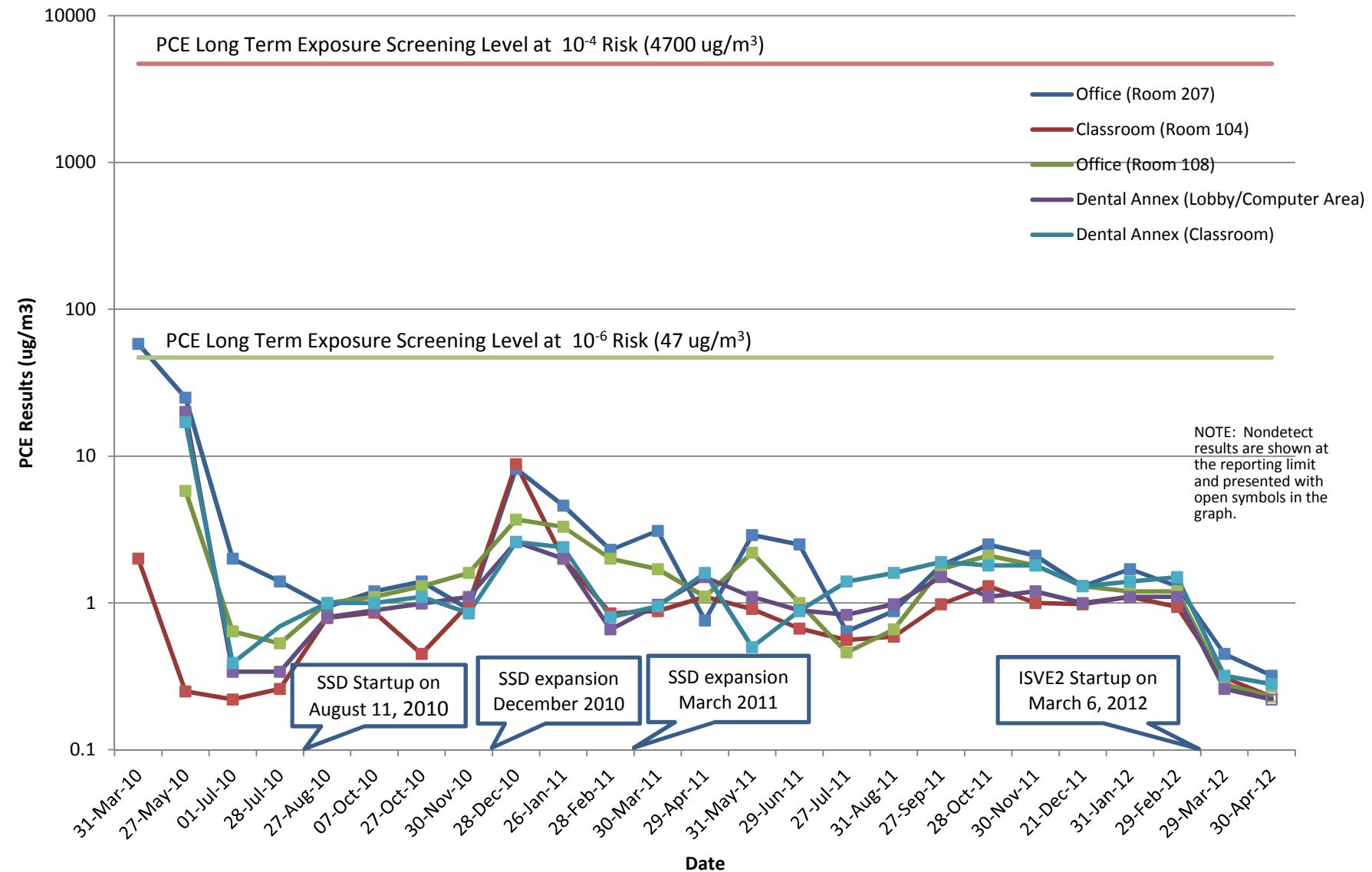
- Risk Value calculated by dividing measured indoor air concentrations by long-term health protective screening criteria. If chemical is designated as cancer (ca), risk value is multiplied by 1e-6

**Sources:**<sup>3</sup> Maximum concentration detected at Ambient Air Sample AA8<sup>4</sup> Maximum detected concentration.

## Attachment C: Graphs of TCE and PCE Concentrations

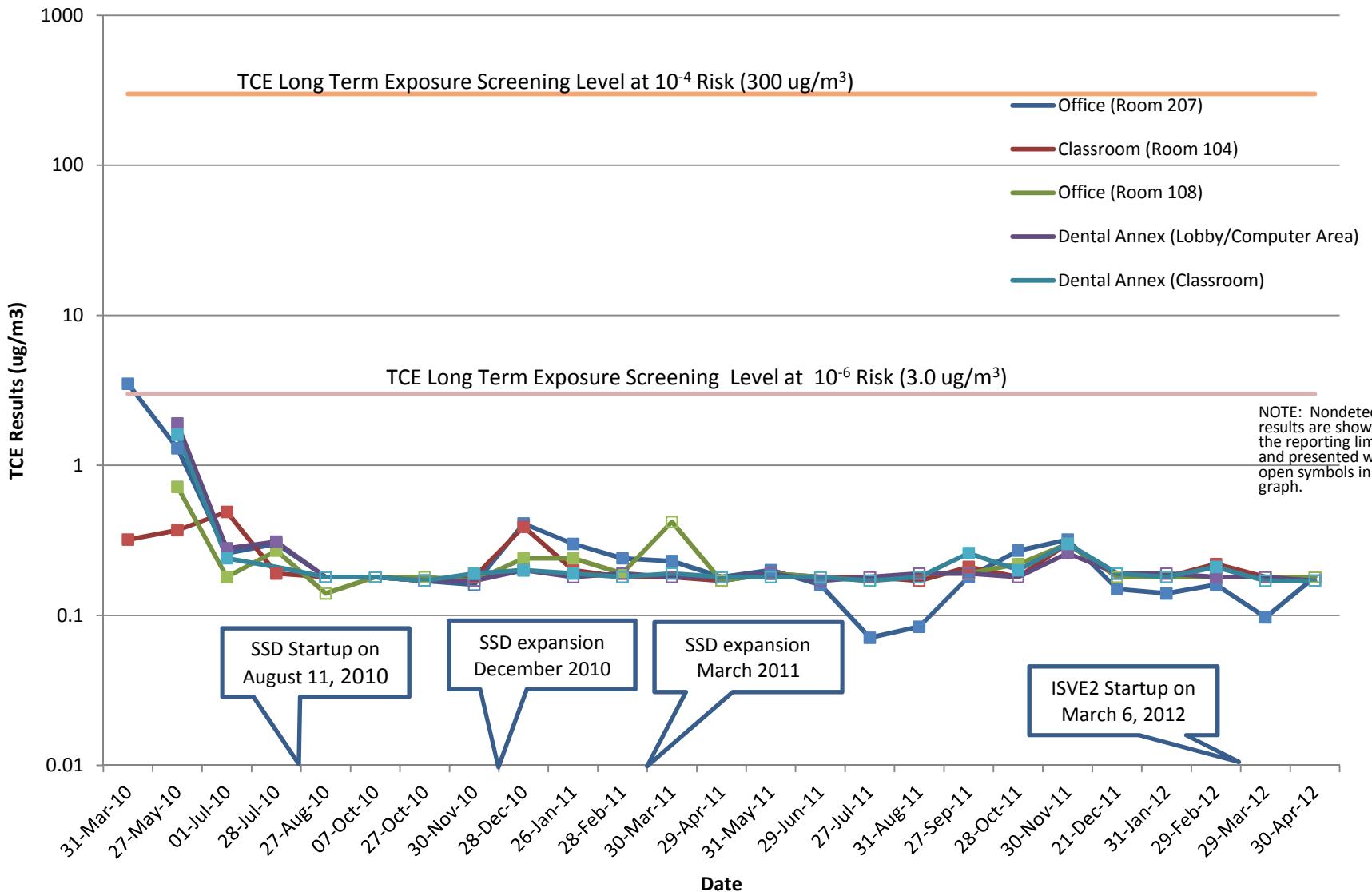
# Tetrachloroethene (PCE) Results

## Regional Occupational Program Building



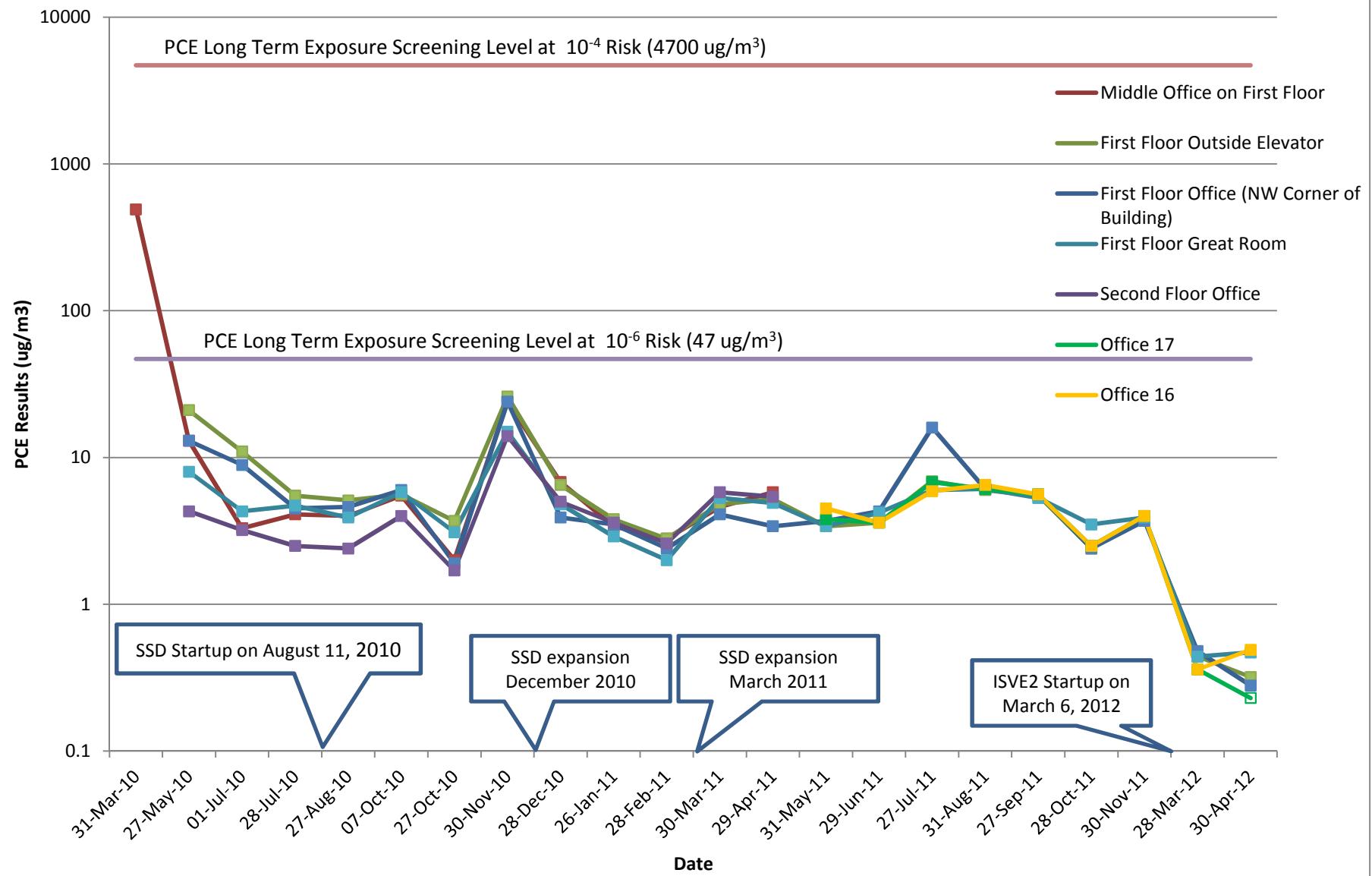
# Trichloroethene (TCE) Results

## Regional Occupational Program Building



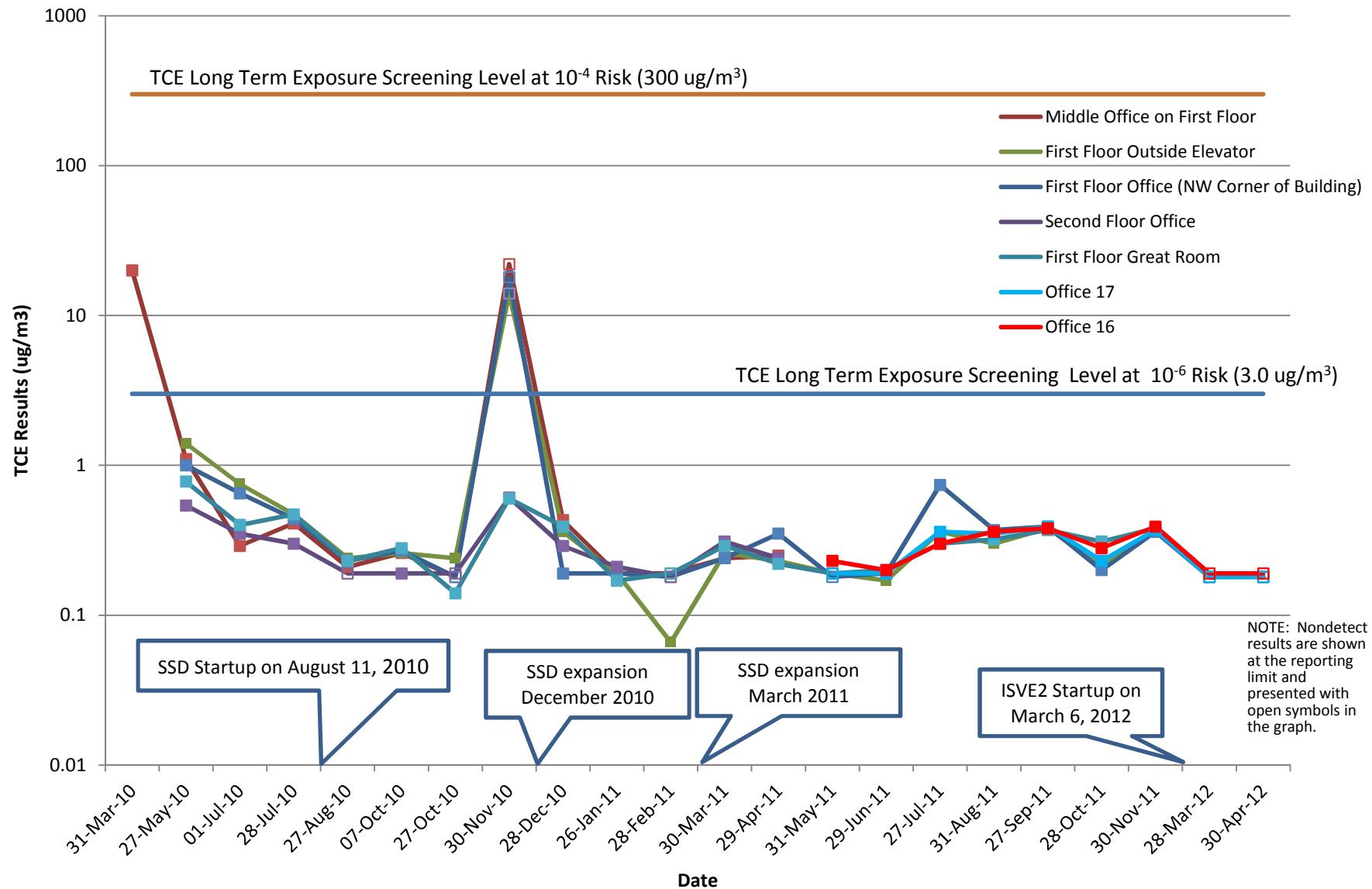
# **Tetrachloroethene (PCE) Results**

## **Women's and Children's Crisis Shelter Building**



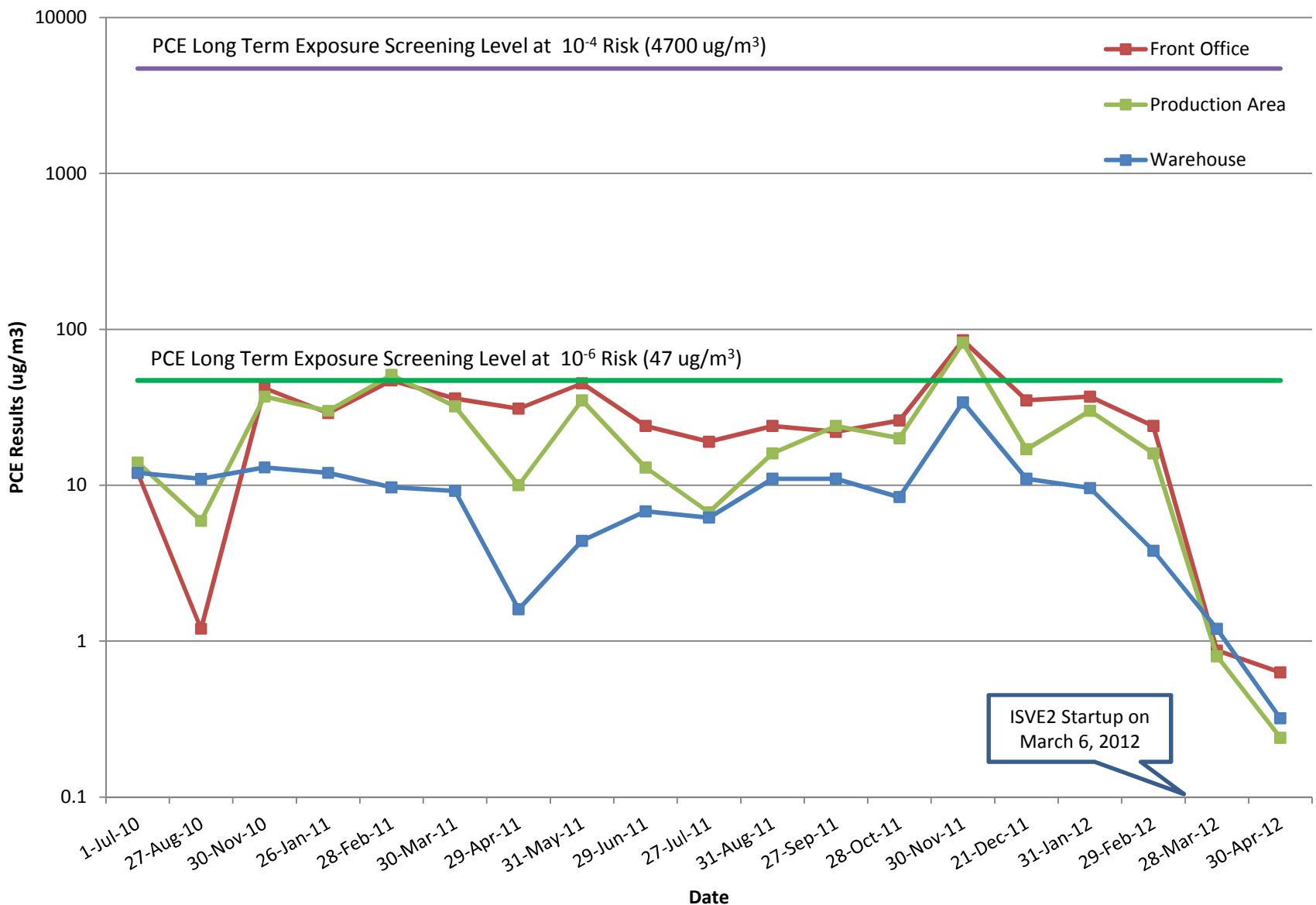
# Trichloroethene (TCE) Results

## Women's and Children's Crisis Shelter Building

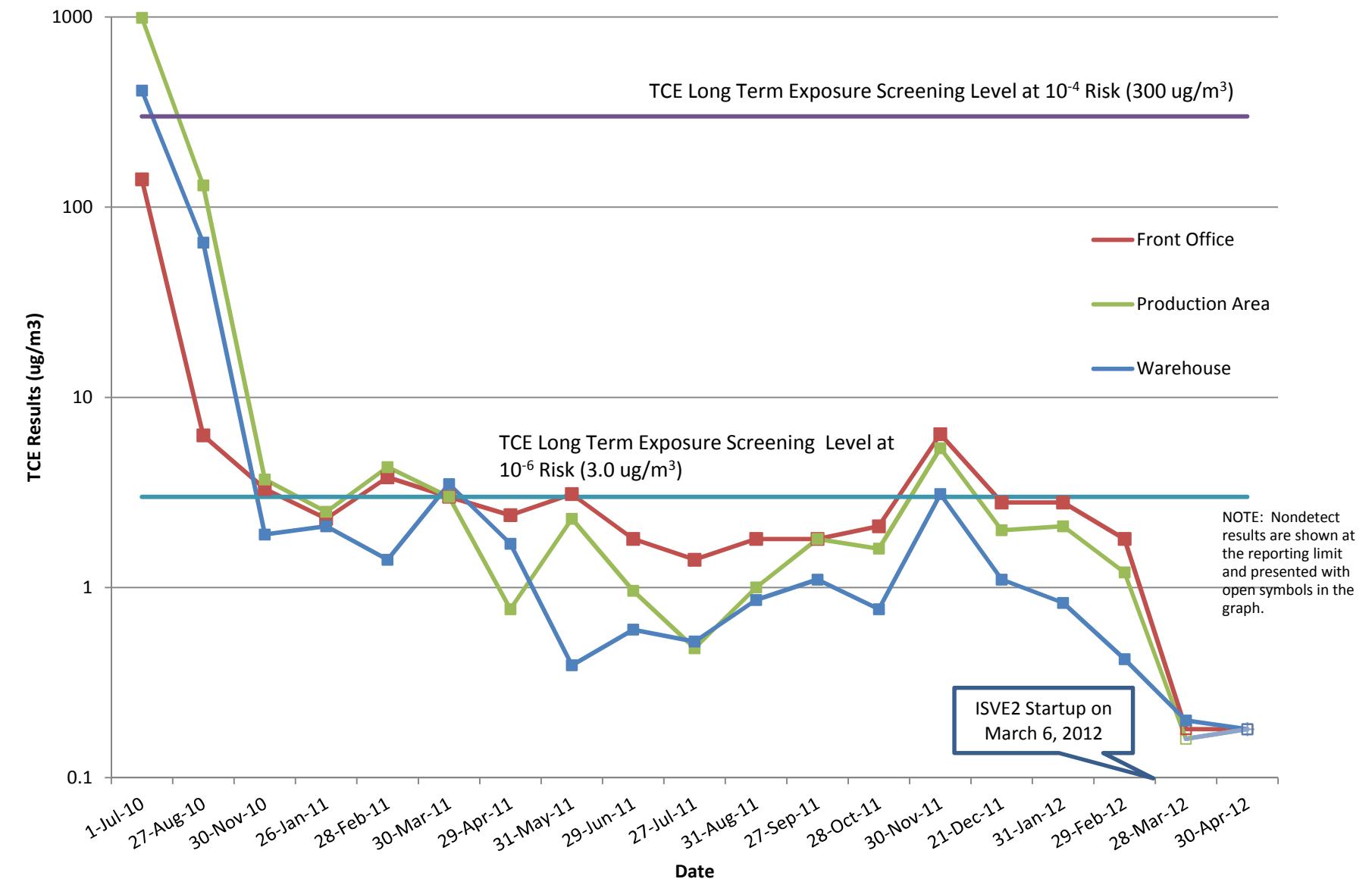


## Tetrachloroethene (PCE) Results

### Fred R. Rippy Building



## Trichloroethene (TCE) Results Fred R. Rippy Building



# Attachment D: Laboratory Reports and Data Validation Memo

# DATA VALIDATION REPORT

**Project:** Omega Chemical Superfund Site  
Air Monitoring - April 2012

**References:** USEPA CLP National Functional Guidelines for Superfund  
Organic Data Review June 2008 (EPA540/R-08/01)

Compendium Method TO-15  
Determination of Volatile Organic Compounds (VOCs) in Air  
Collected in Specially-Prepared Canisters and Analyzed by Gas  
Chromatography/Mass Spectrometry (GC/MS)  
January 1999

Air Toxics Limited Methods Manual, Method TO-14A/TO-15

Omega Chemical Superfund Site  
Removal Action Work Plan, Appendix B (QAPP)  
August 19, 2010

**Reviewer:** Barbara Wells  
CDM Smith - Carlsbad, California

**Date:** May 22, 2012

**Analytical Laboratory:** Air Toxics Ltd. (Air Toxics)  
Folsom, California

**Laboratory Report Number:** 1204415  
1205023

## DATA REVIEW

Two (2) air samples were collected on April 18, 2012 and eighteen (18) air samples (including two field duplicate) were collected on April 30, 2012 (listed in Table 1), and shipped via overnight delivery service to Air Toxics. Two additional samples were collected as split samples and sent to a second laboratory (CalScience). The samples were analyzed for volatile organic compounds (VOCs) by Method TO-15 with Selective Ion Monitoring (SIM). EPA's Functional Guidelines were used to assist in the process of the technical review of the data; however, QC criteria specified in the analytical method, Air Toxics' Methods Manual, and the Omega Removal Action Work Plan, Appendix B (QAPP) were used as the basis for acceptance or data qualification. Sample identification and collection dates are summarized in the following table.

**Table 1- Summary of Analysis**

<i>Sample ID</i>	<i>Lab Sample ID</i>	<i>Sample Type</i>	<i>Date Collected</i>	<i>Date Analyzed</i>
IAQ-MM1-041812	1204415-01A	Air	4/18/12	4/26/12
IAQ-MM2-041812	1204415-02A	Air	4/18/12	4/26/12
IAQ-FRR1-043012	1205023-01A	Air	4/30/12	5/10/12
IAQ-FRR1-043012-K	1205023-02A	DUP	4/30/12	5/10/12
IAQ-FRR2-043012	1205023-03A	Air	4/30/12	5/10/12
IAQ-FRR3-043012	1205023-04A	Air	4/30/12	5/10/12
IAQ-WCCS2-043012	1205023-05A	Air	4/30/12	5/10/12
IAQ-WCCS3-043012	1205023-06A	Air	4/30/12	5/10/12
IAQ-WCCS4-043012	1205023-07A	Air	4/30/12	5/10/12
IAQ-WCCS6-043012	1205023-08A	Air	4/30/12	5/10/12
IAQ-WCCS7-043012	1205023-09A	Air	4/30/12	5/10/12
IAQ-WCCS7-043012-K	1205023-10A	DUP	4/30/12	5/10/12
IAQ-ROP1-043012	1205023-11A	Air	4/30/12	5/11/12
IAQ-ROP2-043012	1205023-12A	Air	4/30/12	5/11/12
IAQ-ROP3-043012	1205023-13A	Air	4/30/12	5/11/12
IAQ-ROP4-043012	1205023-14A	Air	4/30/12	5/11/12
IAQ-ROP5-043012	1205023-15A	Air	4/30/12	5/11/12
IAQ-AA22-043012	1205023-16A	AA	4/30/12	5/11/12
IAQ-AA16-043012	1205023-17A	AA	4/30/12	5/11/12
IAQ-AA8-043012	1205023-18A	AA	4/30/12	5/11/12
IAQ-AA8-043012-K2	12-04-1842-2	SPLIT	4/30/12	5/1/12
IAQ-ROP1-043012-K2	12-04-1842-1	SPLIT	4/30/12	5/1/12

*Notes:*

AA = Ambient air sample  
 DUP = Field duplicate air sample  
 SPLIT = Split sample sent to independent laboratory

## VOLATILE ORGANIC COMPOUNDS ASSESSMENT – METHOD TO-15 SIM

Twenty two (22) samples were analyzed for VOCs using TO-15 SIM.

### I. TECHNICAL HOLDING TIMES

All technical holding times requirements were met. The air samples were collected on April 18 and 30, 2012 and analyzed on April 26 and May 10 to 11, 2012, which is within 11 days of sample collection. Some guidance suggests that samples for Method TO-15 should be analyzed within 14 days of sampling; however, Method TO-15 indicates that canisters can be stored for up to 30 days for many VOCs.

## II. INITIAL CALIBRATION

Prior to the analysis of any samples or standards, an instrument performance check must be performed using 50 ng of 4-bromofluorobenzene (BFB). All ion abundances must meet the criteria listed in Table 3 of Method TO-15. Initial calibration of the instrument must be performed using a minimum of five standard concentrations that span the monitoring range of interest. One calibration point must be at the same concentration as the daily calibration standard and one point should be near the detection limit for the compound of interest. For initial calibration to be accepted, the calculated percent relative standard deviation (%RSD) for the relative response factor (RRF) for each compound in the calibration table must be less than 30 percent with at most two exceptions up to a limit of 40 percent.

For the two samples analyzed on April 26, 2012, initial calibration was performed on April 24, 2012 for SIM analysis, using a minimum of five concentrations ranging from 0.003 to 20 parts per billion by volume (ppbv), which meets the method requirement. The %RSD for the mean RRF for all target compounds was less than 30 percent, except for carbon tetrachloride and 1,2-dichloroethane, which had %RSDs of 37 and 32 percent, respectively. For the remaining samples analyzed on May 10 and 11, 2012, initial calibration was performed on May 9, 2012, using a minimum of five concentrations ranging from 0.003 to 20 ppbv, which meets the method requirement. The %RSD for the mean RRF for all target compounds was less than 30 percent, except for chloromethane and 1,2,4-trichlorobenzene, which had %RSDs of 33 and 38 percent, respectively. Because the method allows %RSDs of up to 40 percent for up to two compounds, no further action is required for either of the two initial calibrations. Therefore, the initial calibrations are considered acceptable and sample analysis proceeded.

## III. CONTINUING CALIBRATION

Prior to the analysis of samples and blanks but after tuning criteria (4-BFB), the initial calibration of the GC/MS must be verified (once every 12 to 24 hours) by analyzing a daily calibration verification standard (a midpoint check standard at 10 ppbv). The calibration verification standard must contain all target analytes. The percent difference (%D) between the continuing calibration RRF and the initial RRF must be within 30 percent in order to proceed with blanks and samples.

Samples were analyzed on April 26, and May 10 and 11, 2012. Prior to sample analysis, 50 ng BFB tuning standards were analyzed. Mass ion abundance criteria were met for the system for each day of analysis. The percent difference was below 30 percent for all target analytes, except for carbon tetrachloride and 1,2-DCA in the continuing calibration on April 26, 2012, which had %Ds of 40 and 31 percent, respectively. Therefore, the carbon tetrachloride and 1,2-DCA concentrations in samples analyzed on April 26, 2012 will be qualified as estimated. The initial calibrations were validated and continuing calibration criteria were met for the project requirements.

#### **IV. METHOD BLANKS**

A method blank must be analyzed with each batch of samples immediately after initial calibration is verified and before sample analysis. No target analytes were detected at concentrations above their respective reporting limits in the method blanks for the SIM analysis.

#### **V. SURROGATES**

Three surrogate spikes (1,2-dichloroethane-d4, toluene-d8 and 4-bromofluorobenzene) were added to each environmental sample, QC sample, and method blank. Surrogate spike control limits were established by the laboratory at 70 to 130 percent for all three surrogates.

All surrogate recoveries were within the acceptable method control limits.

#### **VI. LABORATORY CONTROL SAMPLES (LCS)**

Although not required by the method, a LCS sample was analyzed with these samples. Additionally, an LCS duplicate (LCSD) sample was analyzed with these samples, as no laboratory duplicate was analyzed with the samples. Results from the LCS and LCSD samples were included in the analytical report. Acceptance limits, established by the laboratory, are 70 to 130 percent. All LCS and LCSD analyte recoveries were within the acceptable limits and the relative percent differences (RPDs) between detected analyte concentrations in the duplicate pairs were all less than 25 percent. Therefore, acceptable accuracy and precision was demonstrated and qualification is not warranted.

#### **VII. REGIONAL QUALITY ASSURANCE AND QUALITY CONTROL**

Two field duplicate were collected during this sampling event. Sample IAQ-FRR1-043012-K is a duplicate sample of IAQ-FRR1-043012. Sample IAQ-WCCS7-043012-K is a duplicate sample of IAQ-WCCS7-043012. Additionally, two split samples were collected during this round from samples IAQ-ROP1-043012 and IAQ-AA8-043012 and were sent to a different laboratory (CalScience) and are discussed below.

The Omega RI/FS specified a duplicate collection frequency of 10 percent. Although not specified, a duplicate precision criterion of 20 percent was used for duplicate air samples (which is equal to the precision criteria for groundwater samples). If the results were detected at concentrations less than 5x the reporting limit, then the difference between the two results was evaluated against the criteria of  $\pm$  the reporting limit. Results were deemed within criteria if the difference was less than two times the reporting limit. The RPD calculation was performed only if constituents were detected above laboratory reporting limits in both the primary and the duplicate samples. In the event that a constituent was detected in one sample but not in its corresponding duplicate, the RPD was not calculated. However, precision was evaluated by comparing the difference between the two results (using the reporting limit of the non-detected result) to  $\pm$  the reporting limit. Bolded results in the tables below indicate results that exceed criteria. The RPDs between the primary and duplicate samples for field duplicates (submitted to AirToxics) were within 20 percent

for all analytes except for 1,1-DCE, acetone, benzene, carbon tetrachloride, m,p-xlenes, toluene and Freon 11 in the IAQ-WCCS7-043012 field duplicate pair. Therefore, these results in the IAQ-WCCS7-043012 field duplicate pair are qualified as estimated (J-flagged) due to field duplicate imprecision. In the IAQ-FRR1-043012 field duplicate pair, the RPDs were within 20 percent for all analytes, thus no action is necessary.

<b>Compound</b>	<b>IAQ-WCCS7-043012</b> <b>(ug/m3)</b>	<b>IAQ-WCCS7-043012-K</b> <b>(ug/m3)</b>	<b>RPD</b>	<b>Less than 5X RL?</b>	<b>Difference of two results</b>	<b>Criteria using +RL</b>
<b>1,1-DCE</b>	<b>0.23</b>	<b>0.43</b>	<b>45</b>	<b>Y</b>	<b>0.20</b>	<b>0.14</b>
1,2-DCA	0.14 U	0.21	NC	Y	0.07	0.28
<b>Acetone</b>	<b>12</b>	<b>31</b>	<b>69</b>	<b>N</b>		
<b>Benzene</b>	<b>0.52</b>	<b>1.1</b>	<b>54</b>	<b>Y</b>	<b>0.58</b>	<b>0.56</b>
<b>Carbon Tetrachloride</b>	<b>0.46</b>	<b>1.0</b>	<b>56</b>	<b>Y</b>	<b>0.54</b>	<b>0.44</b>
Chloroform	0.17 U	0.23	NC	Y	0.06	0.34
Ethylbenzene	0.19	0.43	59	Y	0.24	0.30
Freon-113	0.60	1.0	36	Y	0.40	0.54
Methylene chloride	1.2 U	1.3	NC	Y	0.10	2.4
<b>m,p-Xlenes</b>	<b>0.57</b>	<b>1.3</b>	<b>60</b>	<b>Y</b>	<b>0.73</b>	<b>0.60</b>
o-Xylene	0.30	0.59	49	Y	0.29	0.30
PCE	0.24 U	0.49	NC	Y	0.25	0.48
<b>Toluene</b>	<b>1.2</b>	<b>2.9</b>	<b>64</b>	<b>N</b>		
<b>Trichlorofluoromethane (Freon 11)</b>	<b>1.2</b>	<b>3.1</b>	<b>69</b>	<b>N</b>		

**Notes:**

U = Not detected at a concentration greater than laboratory RL

NC = RPD not calculated

When one result is detected and the duplicate sample is not, then the difference was calculated using the RL for the non-detect result.

<b>Compound</b>	<b>IAQ-FRR1-043012</b> <b>(ug/m3)</b>	<b>IAQ-FRR1-043012-K</b> <b>(ug/m3)</b>	<b>RPD</b>	<b>Less than 5X RL?</b>	<b>Difference of two results</b>	<b>Criteria using +RL</b>
1,2-DCA	0.29	0.23	14.8			
1,4-Dichlorobenzene	9.2	9.0	1.5			
Acetone	26	28	5.0			
Benzene	0.52	0.54	2.5			
Carbon Tetrachloride	0.37	0.42	8.6			
Ethylbenzene	0.3	0.28	4.5			
Freon-113	0.41	0.57	23.0	Y	0.16	0.52
m,p-Xlenes	0.84	0.83	0.8			
o-Xylene	0.28	0.36	17.4			
PCE	0.63	0.58	5.4			
<b>Toluene</b>	<b>2.7</b>	<b>2.7</b>	<b>0.0</b>			
<b>Trichlorofluoromethane (Freon 11)</b>	<b>1.0</b>	<b>1.0</b>	<b>0.0</b>			

Two split samples for IAQ-ROP1-043012 and IAQ-AA8-043012 were submitted to an independent laboratory (CalScience) to check precision between laboratories. As shown on the following tables, the split sample precision was not met for Freon 12, m,p-xylene and o-xylene in the IAQ-ROP1-043012 split sample pair. The split sample precision was not met for acetone and Freon 12 in the IAQ-AA8-043912 split sample pair. Therefore, these results are estimated (flagged with a "J") due to split sample imprecision.

<b>Compound</b>	<b>IAQ-ROP1-043012</b> <b>(ug/m3)</b>	<b>IAQ-ROP1-043012-K2</b> <b>(ug/m3)</b>	<b>RPD</b>	<b>Less than 5X RL?</b>	<b>Difference of two results</b>	<b>Criteria using <math>\pm</math>RL</b>
1,1-DCE	0.23	0.20	9.1			
1,2-DCA	0.14 U	0.091	NC	Y	0.05	0.28
Acetone	25	20	14			
Benzene	0.56	0.78	23	Y	0.22	0.54
Carbon Tetrachloride	0.44	0.59	20			
Chloroform	0.16 U	0.14	NC	Y	0.02	0.32
Ethylbenzene	0.27	0.50	44	Y	0.23	0.28
Freon-113	0.47	0.62	19			
<b>Freon-12</b>	<b>0.17 U</b>	<b>2.5</b>	<b>NC</b>	<b>Y</b>	<b>2.3</b>	<b>0.34</b>
Methylene Chloride	3.1	4.2	21	Y	1.1	2.4
<b>m,p-Xylenes</b>	<b>0.61</b>	<b>1.2</b>	<b>49</b>	<b>Y</b>	<b>0.59</b>	<b>0.58</b>
<b>o-Xylene</b>	<b>0.19</b>	<b>0.48</b>	<b>67</b>	<b>Y</b>	<b>0.29</b>	<b>0.28</b>
PCE	0.23 U	0.32	NC	Y	0.09	0.46
Toluene	2.9	3.7	17			
Trichlorofluoromethane (Freon 11)	1.3	1.5	9.8			

**Notes:**

U = Not detected at a concentration greater than laboratory RL

NC = RPD not calculated

When one result is detected and the duplicate sample is not, then the difference was calculated using the RL for the non-detect result.

<b>Compound</b>	<b>IAQ-AA8-043012</b> <b>(ug/m3)</b>	<b>IAQ-AA8-043012-K2</b> <b>(ug/m3)</b>	<b>RPD</b>	<b>Less than 5X RL?</b>	<b>Difference of two results</b>	<b>Criteria using <math>\pm</math>RL</b>
1,1-DCE	0.82	0.63	17			
1,2-DCA	0.14 U	0.072	NC	Y	0.07	0.28
<b>Acetone</b>	<b>15</b>	<b>9.0</b>	<b>31</b>	<b>N</b>		
Benzene	0.56	0.69	14			
Carbon Tetrachloride	0.46	0.51	7.0			
Chloroform	0.17 U	0.11	NC	Y	0.06	0.34
Ethylbenzene	0.23	0.30	18			
<b>Freon-12</b>	<b>0.17 U</b>	<b>2.3</b>	<b>NC</b>	<b>Y</b>	<b>2.1</b>	<b>0.34</b>
Freon-113	0.62	0.58	4.4			
<b>m,p-Xylenes</b>	<b>0.63</b>	<b>0.87</b>	<b>23</b>	<b>Y</b>	<b>0.24</b>	<b>0.60</b>

<b>Compound</b>	<b>IAQ-AA8-043012 (ug/m3)</b>	<b>IAQ-AA8-043012-K2 (ug/m3)</b>	<b>RPD</b>	<b>Less than 5X RL?</b>	<b>Difference of two results</b>	<b>Criteria using +RL</b>
o-Xylene	0.30	0.34	8.5			
PCE	0.33	0.38	9.6			
Toluene	1.4	1.5	4.7			
Trichlorofluoromethane (Freon 11)	1.5	1.6	4.3			

**Notes:**

U = Not detected at a concentration greater than laboratory RL

NC = RPD not calculated

When one result is detected and the duplicate sample is not, then the difference was calculated using the RL for the non-detect result.

In addition, the laboratory summary QC data for the split samples, including laboratory blanks, LCS, and LCS duplicate data were reviewed; however calibration and raw data were not provided for these samples. Based on the limited data review, no qualification was needed.

## **VIII. INTERNAL STANDARDS**

Internal standard (IS) area counts and retention times for samples were within validation criteria. IS area counts for all samples analyzed were within  $\pm$  40 percent of the CCV's IS area; and IS retention times were within 0.33 minutes from the retention time of the associated daily standard, which meet criteria specified in Method TO-15.

## **IX. TARGET COMPOUND IDENTIFICATION**

All positive compound identifications were confirmed through the mass spectra library.

## **X.COMPOUND QUANTITATION**

Several positive results were recalculated to ensure that compound quantitation was accurate. No errors were encountered. Compound quantitation was based on the initial calibration average RF.

## **XI. SYSTEM PERFORMANCE**

The system performance was acceptable.

## **XII. ION ABUNDANCE CRITERIA**

The mass calibration and tune files were reviewed to confirm that the ion abundance criteria met TO-15 criteria (Table 3). All ion abundance criteria were met.

## **XIII. OVERALL ASSESSMENT OF VOC DATA**

All QC criteria evaluated during data validation of the VOC analyses were within acceptable limits, except for several analytes that were qualified based calibration nonconformance and field duplicate and split sample imprecision, which are discussed below.

The carbon tetrachloride and 1,2-DCA concentrations in samples analyzed on April 26, 2012 will be qualified as estimated due to continuing calibration nonconformances.

The 1,1-DCE, acetone, benzene, carbon tetrachloride, m,p-xylenes, toluene and Freon 11 in the IAQ-WCCS7-043012 field duplicate pair; the Freon 12, m,p-xylene, and o-xylene in the IAQ-ROP1-043012 split sample pair; and the acetone and Freon 12 in the IAQ-AA8-043012 split sample pair will all be qualified as estimated due to field duplicate imprecision.

4/29/2012

Ms. Sharon Wallin  
CDM Smith Inc.  
111 Academy Street  
Suite 150  
Irvine CA 92617

Project Name: Omega IAQ  
Project #: 10500-90421-AOC-IAQ  
Workorder #: 1204415

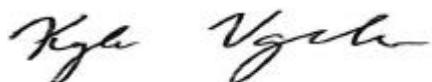
Dear Ms. Sharon Wallin

The following report includes the data for the above referenced project for sample(s) received on 4/20/2012 at Air Toxics Ltd.

The data and associated QC analyzed by Modified TO-15 SIM are compliant with the project requirements or laboratory criteria with the exception of the deviations noted in the attached case narrative.

Thank you for choosing Air Toxics Ltd. for your air analysis needs. Air Toxics Ltd. is committed to providing accurate data of the highest quality. Please feel free to contact the Project Manager: Kyle Vagadori at 916-985-1000 if you have any questions regarding the data in this report.

Regards,



Kyle Vagadori  
Project Manager

**A Eurofins Lancaster Laboratories Company**

**WORK ORDER #:** 1204415

## Work Order Summary

**CLIENT:** Ms. Sharon Wallin  
CDM Smith Inc.  
111 Academy Street  
Suite 150  
Irvine, CA 92617

**PHONE:** 949-752-5452

**FAX:** 949-725-3790

**DATE RECEIVED:** 04/20/2012

**DATE COMPLETED:** 04/29/2012

**BILL TO:** Mr. Tom Dorsey  
Omega Chemical Site Environmental  
Remediation Trust  
450 Montbrook Lane  
Knoxville, TN 37919-2705

**P.O. #**

**PROJECT #** 10500-90421-AOC-IAQ Omega IAQ

**CONTACT:** Kyle Vagadori

<u>FRACTION #</u>	<u>NAME</u>	<u>TEST</u>	<u>RECEIPT VAC./PRES.</u>	<u>FINAL PRESSURE</u>
01A	IAQ-MM1-041812	Modified TO-15 SIM	6.5 "Hg	5 psi
02A	IAQ-MM2-041812	Modified TO-15 SIM	6.5 "Hg	5 psi
03A	Lab Blank	Modified TO-15 SIM	NA	NA
04A	CCV	Modified TO-15 SIM	NA	NA
05A	LCS	Modified TO-15 SIM	NA	NA
05AA	LCSD	Modified TO-15 SIM	NA	NA

CERTIFIED BY:



DATE: 04/29/12

Laboratory Director

Certification numbers: AZ Licensure AZ0719, CA NELAP - 02110CA, LA NELAP - 02089,  
NY NELAP - 11291, TX NELAP - T104704434-11-3, UT NELAP - CA009332011-1, WA NELAP - C935  
Name of Accrediting Agency: NELAP/Florida Department of Health, Scope of Application: Clean Air Act,  
Accreditation number: E87680, Effective date: 07/01/11 , Expiration date: 06/30/12.

Air Toxics Ltd. certifies that the test results contained in this report meet all requirements of the NELAC standards

This report shall not be reproduced, except in full, without the written approval of Eurofins | Air Toxics, Inc.

180 BLUE RAVINE ROAD, SUITE B FOLSOM, CA - 95630  
(916) 985-1000 . (800) 985-5955 . FAX (916) 985-1020

**LABORATORY NARRATIVE  
Modified TO-15 SIM  
CDM Smith Inc.  
Workorder# 1204415**

Two 6 Liter Summa Canister (SIM Certified) samples were received on April 20, 2012. The laboratory performed analysis via modified EPA Method TO-15 using GC/MS in the SIM acquisition mode.

This workorder was independently validated prior to submittal using 'USEPA National Functional Guidelines' as generally applied to the analysis of volatile organic compounds in air. A rules-based, logic driven, independent validation engine was employed to assess completeness, evaluate pass/fail of relevant project quality control requirements and verification of all quantified amounts.

Method modifications taken to run these samples are summarized in the table below. Specific project requirements may over-ride the ATL modifications.

<b>Requirement</b>	<b>TO-15</b>	<b>ATL Modifications</b>
ICAL %RSD acceptance criteria	</=30% RSD with 2 compounds allowed out to < 40% RSD	Project specific; default criteria is </=30% RSD with 10% of compounds allowed out to < 40% RSD
Daily Calibration	+ - 30% Difference	Project specific; default criteria is </= 30% Difference with 10% of compounds allowed out up to </=40%; flag and narrate outliers
Blank and standards	Zero air	Nitrogen
Method Detection Limit	Follow 40CFR Pt.136 App. B	The MDL met all relevant requirements in Method TO-15 (statistical MDL less than the LOQ). The concentration of the spiked replicate may have exceeded 10X the calculated MDL in some cases

### Receiving Notes

There were no receiving discrepancies.

### Analytical Notes

All Quality Control Limit exceedances and affected sample results are noted by flags. Each flag is defined at the bottom of this Case Narrative and on each Sample Result Summary page. Target compound non-detects in the samples that are associated with high bias in QC analyses have not been flagged.

### Definition of Data Qualifying Flags

Eight qualifiers may have been used on the data analysis sheets and indicates as follows:

B - Compound present in laboratory blank greater than reporting limit (background subtraction not performed).

J - Estimated value.

E - Exceeds instrument calibration range.

S - Saturated peak.

Q - Exceeds quality control limits.

U - Compound analyzed for but not detected above the reporting limit.

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UJ- Non-detected compound associated with low bias in the CCV and/or LCS.  
N - The identification is based on presumptive evidence.

File extensions may have been used on the data analysis sheets and indicates as follows:

- a-File was requantified
- b-File was quantified by a second column and detector
- r1-File was requantified for the purpose of reissue

## Summary of Detected Compounds MODIFIED EPA METHOD TO-15 GC/MS SIM

**Client Sample ID: IAQ-MM1-041812**

**Lab ID#: 1204415-01A**

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Freon 12	0.034	0.56	0.17	2.8
Freon 11	0.034	3.2	0.19	18
1,1-Dichloroethene	0.017	11	0.068	45
Freon 113	0.034	9.7	0.26	75
Chloroform	0.034	0.053	0.17	0.26
Carbon Tetrachloride	0.034	0.13 J	0.22	0.81 J
Benzene	0.086	0.41	0.27	1.3
1,2-Dichloroethane	0.034	0.036 J	0.14	0.15 J
Trichloroethene	0.034	1.6	0.18	8.5
Toluene	0.034	2.2	0.13	8.2
Tetrachloroethene	0.034	8.9	0.23	60
Ethyl Benzene	0.034	0.20	0.15	0.89
m,p-Xylene	0.068	0.76	0.30	3.3
o-Xylene	0.034	0.30	0.15	1.3
1,4-Dichlorobenzene	0.034	0.12	0.20	0.70
Acetone	0.86	8.7	2.0	21
Methylene Chloride	0.34	0.36	1.2	1.2

**Client Sample ID: IAQ-MM2-041812**

**Lab ID#: 1204415-02A**

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Freon 12	0.034	0.60	0.17	3.0
Freon 11	0.034	0.32	0.19	1.8
1,1-Dichloroethene	0.017	0.16	0.068	0.64
Freon 113	0.034	0.29	0.26	2.2
Chloroform	0.034	0.053	0.17	0.26
1,1,1-Trichloroethane	0.034	0.041	0.19	0.22
Carbon Tetrachloride	0.034	0.17 J	0.22	1.1 J
Benzene	0.086	1.1	0.27	3.4
1,2-Dichloroethane	0.034	0.040 J	0.14	0.16 J
Trichloroethene	0.034	0.045	0.18	0.24
Toluene	0.034	7.0	0.13	26

**Summary of Detected Compounds  
MODIFIED EPA METHOD TO-15 GC/MS SIM**

**Client Sample ID: IAQ-MM2-041812**

**Lab ID#: 1204415-02A**

Tetrachloroethene	0.034	0.11	0.23	0.77
Ethyl Benzene	0.034	0.81	0.15	3.5
m,p-Xylene	0.068	3.2	0.30	14
o-Xylene	0.034	1.0	0.15	4.5
Acetone	0.86	11	2.0	27
Methylene Chloride	0.34	0.55	1.2	1.9



Air Toxics

Client Sample ID: IAQ-MM1-041812

Lab ID#: 1204415-01A

**MODIFIED EPA METHOD TO-15 GC/MS SIM**

<b>File Name:</b>	<b>c042609</b>	<b>Date of Collection: 4/18/12 6:55:00 AM</b>		
<b>Dil. Factor:</b>	<b>1.71</b>	<b>Date of Analysis: 4/26/12 03:06 PM</b>		
<b>Compound</b>	<b>Rpt. Limit (ppbv)</b>	<b>Amount (ppbv)</b>	<b>Rpt. Limit (ug/m3)</b>	<b>Amount (ug/m3)</b>
Freon 12	0.034	0.56	0.17	2.8
Vinyl Chloride	0.017	Not Detected	0.044	Not Detected
Freon 11	0.034	3.2	0.19	18
1,1-Dichloroethene	0.017	11	0.068	45
Freon 113	0.034	9.7	0.26	75
1,1-Dichloroethane	0.034	Not Detected	0.14	Not Detected
cis-1,2-Dichloroethene	0.034	Not Detected	0.14	Not Detected
Chloroform	0.034	0.053	0.17	0.26
1,1,1-Trichloroethane	0.034	Not Detected	0.19	Not Detected
Carbon Tetrachloride	0.034	0.13 J	0.22	0.81 J
Benzene	0.086	0.41	0.27	1.3
1,2-Dichloroethane	0.034	0.036 J	0.14	0.15 J
Trichloroethene	0.034	1.6	0.18	8.5
trans-1,3-Dichloropropene	0.034	Not Detected	0.16	Not Detected
Toluene	0.034	2.2	0.13	8.2
1,1,2-Trichloroethane	0.034	Not Detected	0.19	Not Detected
Tetrachloroethene	0.034	8.9	0.23	60
Chlorobenzene	0.034	Not Detected	0.16	Not Detected
Ethyl Benzene	0.034	0.20	0.15	0.89
m,p-Xylene	0.068	0.76	0.30	3.3
o-Xylene	0.034	0.30	0.15	1.3
1,4-Dichlorobenzene	0.034	0.12	0.20	0.70
1,2-Dichlorobenzene	0.034	Not Detected	0.20	Not Detected
trans-1,2-Dichloroethene	0.17	Not Detected	0.68	Not Detected
Acetone	0.86	8.7	2.0	21
Methylene Chloride	0.34	0.36	1.2	1.2
Methyl tert-butyl ether	0.17	Not Detected	0.62	Not Detected
1,1,2,2-Tetrachloroethane	0.034	Not Detected	0.23	Not Detected

J = Estimated value due to bias in the CCV.

**Container Type: 6 Liter Summa Canister (SIM Certified)**

<b>Surrogates</b>	<b>%Recovery</b>	<b>Method Limits</b>
1,2-Dichloroethane-d4	117	70-130
Toluene-d8	101	70-130
4-Bromofluorobenzene	96	70-130



Air Toxics

Client Sample ID: IAQ-MM2-041812

Lab ID#: 1204415-02A

**MODIFIED EPA METHOD TO-15 GC/MS SIM**

<b>File Name:</b>	<b>c042610</b>	<b>Date of Collection: 4/18/12 6:58:00 AM</b>		
<b>Dil. Factor:</b>	<b>1.71</b>	<b>Date of Analysis: 4/26/12 03:59 PM</b>		
<b>Compound</b>	<b>Rpt. Limit (ppbv)</b>	<b>Amount (ppbv)</b>	<b>Rpt. Limit (ug/m3)</b>	<b>Amount (ug/m3)</b>
Freon 12	0.034	0.60	0.17	3.0
Vinyl Chloride	0.017	Not Detected	0.044	Not Detected
Freon 11	0.034	0.32	0.19	1.8
1,1-Dichloroethene	0.017	0.16	0.068	0.64
Freon 113	0.034	0.29	0.26	2.2
1,1-Dichloroethane	0.034	Not Detected	0.14	Not Detected
cis-1,2-Dichloroethene	0.034	Not Detected	0.14	Not Detected
Chloroform	0.034	0.053	0.17	0.26
1,1,1-Trichloroethane	0.034	0.041	0.19	0.22
Carbon Tetrachloride	0.034	0.17 J	0.22	1.1 J
Benzene	0.086	1.1	0.27	3.4
1,2-Dichloroethane	0.034	0.040 J	0.14	0.16 J
Trichloroethene	0.034	0.045	0.18	0.24
trans-1,3-Dichloropropene	0.034	Not Detected	0.16	Not Detected
Toluene	0.034	7.0	0.13	26
1,1,2-Trichloroethane	0.034	Not Detected	0.19	Not Detected
Tetrachloroethene	0.034	0.11	0.23	0.77
Chlorobenzene	0.034	Not Detected	0.16	Not Detected
Ethyl Benzene	0.034	0.81	0.15	3.5
m,p-Xylene	0.068	3.2	0.30	14
o-Xylene	0.034	1.0	0.15	4.5
1,4-Dichlorobenzene	0.034	Not Detected	0.20	Not Detected
1,2-Dichlorobenzene	0.034	Not Detected	0.20	Not Detected
trans-1,2-Dichloroethene	0.17	Not Detected	0.68	Not Detected
Acetone	0.86	11	2.0	27
Methylene Chloride	0.34	0.55	1.2	1.9
Methyl tert-butyl ether	0.17	Not Detected	0.62	Not Detected
1,1,2,2-Tetrachloroethane	0.034	Not Detected	0.23	Not Detected

J = Estimated value due to bias in the CCV.

**Container Type: 6 Liter Summa Canister (SIM Certified)**

<b>Surrogates</b>	<b>%Recovery</b>	<b>Method Limits</b>
1,2-Dichloroethane-d4	123	70-130
Toluene-d8	101	70-130
4-Bromofluorobenzene	95	70-130



Air Toxics

Client Sample ID: Lab Blank

Lab ID#: 1204415-03A

**MODIFIED EPA METHOD TO-15 GC/MS SIM**

<b>File Name:</b>	<b>c042608</b>	<b>Date of Collection: NA</b>		
<b>Dil. Factor:</b>	<b>1.00</b>	<b>Date of Analysis: 4/26/12 02:03 PM</b>		
<b>Compound</b>	<b>Rpt. Limit (ppbv)</b>	<b>Amount (ppbv)</b>	<b>Rpt. Limit (ug/m3)</b>	<b>Amount (ug/m3)</b>
Freon 12	0.020	Not Detected	0.099	Not Detected
Vinyl Chloride	0.010	Not Detected	0.026	Not Detected
Freon 11	0.020	Not Detected	0.11	Not Detected
1,1-Dichloroethene	0.010	Not Detected	0.040	Not Detected
Freon 113	0.020	Not Detected	0.15	Not Detected
1,1-Dichloroethane	0.020	Not Detected	0.081	Not Detected
cis-1,2-Dichloroethene	0.020	Not Detected	0.079	Not Detected
Chloroform	0.020	Not Detected	0.098	Not Detected
1,1,1-Trichloroethane	0.020	Not Detected	0.11	Not Detected
Carbon Tetrachloride	0.020	Not Detected	0.12	Not Detected
Benzene	0.050	Not Detected	0.16	Not Detected
1,2-Dichloroethane	0.020	Not Detected UJ	0.081	Not Detected UJ
Trichloroethene	0.020	Not Detected	0.11	Not Detected
trans-1,3-Dichloropropene	0.020	Not Detected	0.091	Not Detected
Toluene	0.020	Not Detected	0.075	Not Detected
1,1,2-Trichloroethane	0.020	Not Detected	0.11	Not Detected
Tetrachloroethene	0.020	Not Detected	0.14	Not Detected
Chlorobenzene	0.020	Not Detected	0.092	Not Detected
Ethyl Benzene	0.020	Not Detected	0.087	Not Detected
m,p-Xylene	0.040	Not Detected	0.17	Not Detected
o-Xylene	0.020	Not Detected	0.087	Not Detected
1,4-Dichlorobenzene	0.020	Not Detected	0.12	Not Detected
1,2-Dichlorobenzene	0.020	Not Detected	0.12	Not Detected
trans-1,2-Dichloroethene	0.10	Not Detected	0.40	Not Detected
Acetone	0.50	Not Detected	1.2	Not Detected
Methylene Chloride	0.20	Not Detected	0.69	Not Detected
Methyl tert-butyl ether	0.10	Not Detected	0.36	Not Detected
1,1,2,2-Tetrachloroethane	0.020	Not Detected	0.14	Not Detected

UJ = Non-detected compound associated with low bias in the CCV and/or LCS.

**Container Type: NA - Not Applicable**

<b>Surrogates</b>	<b>%Recovery</b>	<b>Method Limits</b>
1,2-Dichloroethane-d4	98	70-130
Toluene-d8	97	70-130
4-Bromofluorobenzene	96	70-130



Air Toxics

Client Sample ID: CCV

Lab ID#: 1204415-04A

**MODIFIED EPA METHOD TO-15 GC/MS SIM**

File Name:	c042604	Date of Collection:	NA
Dil. Factor:	1.00	Date of Analysis:	4/26/12 10:35 AM

Compound	%Recovery
Freon 12	88
Vinyl Chloride	82
Freon 11	85
1,1-Dichloroethene	86
Freon 113	87
1,1-Dichloroethane	86
cis-1,2-Dichloroethene	87
Chloroform	86
1,1,1-Trichloroethane	85
Carbon Tetrachloride	140 Q
Benzene	70
1,2-Dichloroethane	68 Q
Trichloroethene	82
trans-1,3-Dichloropropene	97
Toluene	83
1,1,2-Trichloroethane	86
Tetrachloroethene	87
Chlorobenzene	89
Ethyl Benzene	92
m,p-Xylene	94
o-Xylene	94
1,4-Dichlorobenzene	110
1,2-Dichlorobenzene	108
trans-1,2-Dichloroethene	85
Acetone	76
Methylene Chloride	75
Methyl tert-butyl ether	85
1,1,2,2-Tetrachloroethane	92

Q = Exceeds Quality Control limits.

**Container Type: NA - Not Applicable**

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	103	70-130
Toluene-d8	98	70-130
4-Bromofluorobenzene	104	70-130



Air Toxics

Client Sample ID: LCS

Lab ID#: 1204415-05A

**MODIFIED EPA METHOD TO-15 GC/MS SIM**

File Name:	c042605	Date of Collection:	NA
Dil. Factor:	1.00	Date of Analysis:	4/26/12 11:21 AM

Compound	%Recovery
Freon 12	106
Vinyl Chloride	99
Freon 11	100
1,1-Dichloroethene	106
Freon 113	101
1,1-Dichloroethane	101
cis-1,2-Dichloroethene	102
Chloroform	101
1,1,1-Trichloroethane	100
Carbon Tetrachloride	103
Benzene	82
1,2-Dichloroethane	79
Trichloroethene	96
trans-1,3-Dichloropropene	108
Toluene	96
1,1,2-Trichloroethane	98
Tetrachloroethene	99
Chlorobenzene	103
Ethyl Benzene	107
m,p-Xylene	112
o-Xylene	110
1,4-Dichlorobenzene	127
1,2-Dichlorobenzene	126
trans-1,2-Dichloroethene	111
Acetone	83
Methylene Chloride	86
Methyl tert-butyl ether	100
1,1,2,2-Tetrachloroethane	106

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	103	70-130
Toluene-d8	98	70-130
4-Bromofluorobenzene	105	70-130



Air Toxics

Client Sample ID: LCSD

Lab ID#: 1204415-05AA

**MODIFIED EPA METHOD TO-15 GC/MS SIM**

File Name:	c042606	Date of Collection:	NA
Dil. Factor:	1.00	Date of Analysis:	4/26/12 12:09 PM

Compound	%Recovery
Freon 12	94
Vinyl Chloride	89
Freon 11	89
1,1-Dichloroethene	96
Freon 113	89
1,1-Dichloroethane	90
cis-1,2-Dichloroethene	91
Chloroform	90
1,1,1-Trichloroethane	89
Carbon Tetrachloride	91
Benzene	73
1,2-Dichloroethane	72
Trichloroethene	86
trans-1,3-Dichloropropene	99
Toluene	84
1,1,2-Trichloroethane	90
Tetrachloroethene	89
Chlorobenzene	93
Ethyl Benzene	96
m,p-Xylene	98
o-Xylene	96
1,4-Dichlorobenzene	108
1,2-Dichlorobenzene	107
trans-1,2-Dichloroethene	99
Acetone	75
Methylene Chloride	77
Methyl tert-butyl ether	88
1,1,2,2-Tetrachloroethane	96

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	104	70-130
Toluene-d8	98	70-130
4-Bromofluorobenzene	101	70-130

5/15/2012

Ms. Sharon Wallin

CDM Smith Inc.

111 Academy Street

Suite 150

Irvine CA 92617

Project Name: Omega IAQ

Project #: 10500

Workorder #: 1205023

Dear Ms. Sharon Wallin

The following report includes the data for the above referenced project for sample(s) received on 5/2/2012 at Air Toxics Ltd.

The data and associated QC analyzed by Modified TO-15 SIM are compliant with the project requirements or laboratory criteria with the exception of the deviations noted in the attached case narrative.

Thank you for choosing Air Toxics Ltd. for your air analysis needs. Air Toxics Ltd. is committed to providing accurate data of the highest quality. Please feel free to contact the Project Manager: Kyle Vagadori at 916-985-1000 if you have any questions regarding the data in this report.

Regards,



Kyle Vagadori

Project Manager

**WORK ORDER #:** 1205023

## Work Order Summary

<b>CLIENT:</b>	Ms. Sharon Wallin CDM Smith Inc. 111 Academy Street Suite 150 Irvine, CA 92617	<b>BILL TO:</b>	Mr. Tom Dorsey Omega Chemical Site Environmental Remediation Trust 450 Montbrook Lane Knoxville, TN 37919-2705
<b>PHONE:</b>	949-752-5452	<b>P.O. #</b>	90421-AOC.IAQ
<b>FAX:</b>	949-725-3790	<b>PROJECT #</b>	10500 Omega IAQ
<b>DATE RECEIVED:</b>	05/02/2012	<b>CONTACT:</b>	Kyle Vagadori
<b>DATE COMPLETED:</b>	05/15/2012		

<u>FRACTION #</u>	<u>NAME</u>	<u>TEST</u>	<u>RECEIPT VAC./PRES.</u>	<u>FINAL PRESSURE</u>
01A	IAQ-FRR1-043012	Modified TO-15 SIM	6.5 "Hg	5 psi
01B	IAQ-FRR1-043012	Modified TO-15 SIM	6.5 "Hg	5 psi
02A	IAQ-FRR1-043012-K	Modified TO-15 SIM	6.0 "Hg	5 psi
02B	IAQ-FRR1-043012-K	Modified TO-15 SIM	6.0 "Hg	5 psi
03A	IAQ-FRR2-043012	Modified TO-15 SIM	6.0 "Hg	5 psi
03B	IAQ-FRR2-043012	Modified TO-15 SIM	6.0 "Hg	5 psi
04A	IAQ-FRR3-043012	Modified TO-15 SIM	6.0 "Hg	5 psi
04B	IAQ-FRR3-043012	Modified TO-15 SIM	6.0 "Hg	5 psi
05A	IAQ-WCCS2-043012	Modified TO-15 SIM	6.5 "Hg	5 psi
05B	IAQ-WCCS2-043012	Modified TO-15 SIM	6.5 "Hg	5 psi
06A	IAQ-WCCS3-043012	Modified TO-15 SIM	6.0 "Hg	5 psi
06B	IAQ-WCCS3-043012	Modified TO-15 SIM	6.0 "Hg	5 psi
07A	IAQ-WCCS4-043012	Modified TO-15 SIM	6.5 "Hg	5 psi
07B	IAQ-WCCS4-043012	Modified TO-15 SIM	6.5 "Hg	5 psi
08A	IAQ-WCCS6-043012	Modified TO-15 SIM	6.5 "Hg	5 psi
08B	IAQ-WCCS6-043012	Modified TO-15 SIM	6.5 "Hg	5 psi
09A	IAQ-WCCS7-043012	Modified TO-15 SIM	7.0 "Hg	5 psi
09B	IAQ-WCCS7-043012	Modified TO-15 SIM	7.0 "Hg	5 psi
10A	IAQ-WCCS7-043012-K	Modified TO-15 SIM	6.5 "Hg	5 psi
10B	IAQ-WCCS7-043012-K	Modified TO-15 SIM	6.5 "Hg	5 psi
11A	IAQ-ROP1-043012	Modified TO-15 SIM	6.0 "Hg	5 psi
11B	IAQ-ROP1-043012	Modified TO-15 SIM	6.0 "Hg	5 psi
12A	IAQ-ROP2-043012	Modified TO-15 SIM	6.0 "Hg	5 psi

Continued on next page

**WORK ORDER #:** 1205023

## Work Order Summary

<b>CLIENT:</b>	Ms. Sharon Wallin CDM Smith Inc. 111 Academy Street Suite 150 Irvine, CA 92617	<b>BILL TO:</b>	Mr. Tom Dorsey Omega Chemical Site Environmental Remediation Trust 450 Montbrook Lane Knoxville, TN 37919-2705
<b>PHONE:</b>	949-752-5452	<b>P.O. #</b>	90421-AOC.IAQ
<b>FAX:</b>	949-725-3790	<b>PROJECT #</b>	10500 Omega IAQ
<b>DATE RECEIVED:</b>	05/02/2012	<b>CONTACT:</b>	Kyle Vagadori
<b>DATE COMPLETED:</b>	05/15/2012		

<u>FRACTION #</u>	<u>NAME</u>	<u>TEST</u>	<u>RECEIPT VAC./PRES.</u>	<u>FINAL PRESSURE</u>
12B	IAQ-ROP2-043012	Modified TO-15 SIM	6.0 "Hg	5 psi
13A	IAQ-ROP3-043012	Modified TO-15 SIM	6.5 "Hg	5 psi
13B	IAQ-ROP3-043012	Modified TO-15 SIM	6.5 "Hg	5 psi
14A	IAQ-ROP4-043012	Modified TO-15 SIM	5.0 "Hg	5 psi
14B	IAQ-ROP4-043012	Modified TO-15 SIM	5.0 "Hg	5 psi
15A	IAQ-ROP5-043012	Modified TO-15 SIM	4.5 "Hg	5 psi
15B	IAQ-ROP5-043012	Modified TO-15 SIM	4.5 "Hg	5 psi
16A	IAQ-AA22-043012	Modified TO-15 SIM	7.5 "Hg	5 psi
16B	IAQ-AA22-043012	Modified TO-15 SIM	7.5 "Hg	5 psi
17A	IAQ-AA16-043012	Modified TO-15 SIM	7.0 "Hg	5 psi
17B	IAQ-AA16-043012	Modified TO-15 SIM	7.0 "Hg	5 psi
18A	IAQ-AA8-043012	Modified TO-15 SIM	6.5 "Hg	5 psi
18B	IAQ-AA8-043012	Modified TO-15 SIM	6.5 "Hg	5 psi
19A	Lab Blank	Modified TO-15 SIM	NA	NA
19B	Lab Blank	Modified TO-15 SIM	NA	NA
19C	Lab Blank	Modified TO-15 SIM	NA	NA
19D	Lab Blank	Modified TO-15 SIM	NA	NA
19E	Lab Blank	Modified TO-15 SIM	NA	NA
20A	CCV	Modified TO-15 SIM	NA	NA
20B	CCV	Modified TO-15 SIM	NA	NA
20C	CCV	Modified TO-15 SIM	NA	NA
20D	CCV	Modified TO-15 SIM	NA	NA
20E	CCV	Modified TO-15 SIM	NA	NA

Continued on next page

**WORK ORDER #:** 1205023

## Work Order Summary

**CLIENT:** Ms. Sharon Wallin  
CDM Smith Inc.  
111 Academy Street  
Suite 150  
Irvine, CA 92617

**PHONE:** 949-752-5452

**FAX:** 949-725-3790

**DATE RECEIVED:** 05/02/2012

**DATE COMPLETED:** 05/15/2012

**BILL TO:** Mr. Tom Dorsey  
Omega Chemical Site Environmental  
Remediation Trust  
450 Montbrook Lane  
Knoxville, TN 37919-2705

**P.O. #** 90421-AOC.IAQ

**PROJECT #** 10500 Omega IAQ

**CONTACT:** Kyle Vagadori

<u>FRACTION #</u>	<u>NAME</u>	<u>TEST</u>	<u>RECEIPT</u>	<u>FINAL</u>
			<u>VAC./PRES.</u>	<u>PRESSURE</u>
21A	LCS	Modified TO-15 SIM	NA	NA
21AA	LCSD	Modified TO-15 SIM	NA	NA
21B	LCS	Modified TO-15 SIM	NA	NA
21BB	LCSD	Modified TO-15 SIM	NA	NA
21C	LCS	Modified TO-15 SIM	NA	NA
21CC	LCSD	Modified TO-15 SIM	NA	NA
21D	LCS	Modified TO-15 SIM	NA	NA
21DD	LCSD	Modified TO-15 SIM	NA	NA
21E	LCS	Modified TO-15 SIM	NA	NA
21EE	LCSD	Modified TO-15 SIM	NA	NA

CERTIFIED BY:

DATE: 05/15/12

Laboratory Director

Certification numbers: AZ Licensure AZ0719, CA NELAP - 02110CA, LA NELAP - 02089,  
 NY NELAP - 11291, TX NELAP - T104704434-11-3, UT NELAP - CA009332011-1, WA NELAP - C935  
 Name of Accrediting Agency: NELAP/Florida Department of Health, Scope of Application: Clean Air Act,  
 Accreditation number: E87680, Effective date: 07/01/11 , Expiration date: 06/30/12.

Air Toxics Ltd. certifies that the test results contained in this report meet all requirements of the NELAC standards

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180 BLUE RAVINE ROAD, SUITE B FOLSOM, CA - 95630  
 (916) 985-1000 . (800) 985-5955 . FAX (916) 985-1020

**LABORATORY NARRATIVE  
Modified TO-15 SIM  
CDM Smith Inc.  
Workorder# 1205023**

Eighteen 6 Liter Summa Canister (SIM Certified) samples were received on May 02, 2012. The laboratory performed analysis via modified EPA Method TO-15 using GC/MS in the SIM acquisition mode.

This workorder was independently validated prior to submittal using 'USEPA National Functional Guidelines' as generally applied to the analysis of volatile organic compounds in air. A rules-based, logic driven, independent validation engine was employed to assess completeness, evaluate pass/fail of relevant project quality control requirements and verification of all quantified amounts.

Method modifications taken to run these samples are summarized in the table below. Specific project requirements may over-ride the ATL modifications.

<b>Requirement</b>	<b>TO-15</b>	<b>ATL Modifications</b>
ICAL %RSD acceptance criteria	</=30% RSD with 2 compounds allowed out to < 40% RSD	Project specific; default criteria is </=30% RSD with 10% of compounds allowed out to < 40% RSD
Daily Calibration	+ - 30% Difference	Project specific; default criteria is </= 30% Difference with 10% of compounds allowed out up to </=40%;, flag and narrate outliers
Blank and standards	Zero air	Nitrogen
Method Detection Limit	Follow 40CFR Pt.136 App. B	The MDL met all relevant requirements in Method TO-15 (statistical MDL less than the LOQ). The concentration of the spiked replicate may have exceeded 10X the calculated MDL in some cases

### Receiving Notes

There were no receiving discrepancies.

### Analytical Notes

The results for each sample in this report were acquired from two separate data files.

### Definition of Data Qualifying Flags

Eight qualifiers may have been used on the data analysis sheets and indicates as follows:

B - Compound present in laboratory blank greater than reporting limit (background subtraction not performed).

J - Estimated value.

E - Exceeds instrument calibration range.

S - Saturated peak.

Q - Exceeds quality control limits.

U - Compound analyzed for but not detected above the reporting limit.

UJ- Non-detected compound associated with low bias in the CCV and/or LCS.

N - The identification is based on presumptive evidence.

File extensions may have been used on the data analysis sheets and indicates as follows:

- a-File was requantified
- b-File was quantified by a second column and detector
- r1-File was requantified for the purpose of reissue

## Summary of Detected Compounds MODIFIED EPA METHOD TO-15 GC/MS SIM

**Client Sample ID: IAQ-FRR1-043012**

**Lab ID#: 1205023-01A**

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Freon 11	0.034	0.18	0.19	1.0
Freon 113	0.034	0.054	0.26	0.41
Carbon Tetrachloride	0.034	0.059	0.22	0.37
Benzene	0.086	0.16	0.27	0.52
1,2-Dichloroethane	0.034	0.072	0.14	0.29
Toluene	0.034	0.72	0.13	2.7
Tetrachloroethene	0.034	0.093	0.23	0.63
Ethyl Benzene	0.034	0.069	0.15	0.30
m,p-Xylene	0.068	0.19	0.30	0.84
o-Xylene	0.034	0.065	0.15	0.28
1,4-Dichlorobenzene	0.034	1.5	0.20	9.2
Acetone	0.86	11	2.0	26

**Client Sample ID: IAQ-FRR1-043012**

**Lab ID#: 1205023-01B**

No Detections Were Found.

**Client Sample ID: IAQ-FRR1-043012-K**

**Lab ID#: 1205023-02A**

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Freon 11	0.034	0.18	0.19	1.0
Freon 113	0.034	0.074	0.26	0.57
Carbon Tetrachloride	0.034	0.066	0.21	0.42
Benzene	0.084	0.17	0.27	0.54
1,2-Dichloroethane	0.034	0.058	0.14	0.23
Toluene	0.034	0.73	0.13	2.7
Tetrachloroethene	0.034	0.086	0.23	0.58
Ethyl Benzene	0.034	0.064	0.14	0.28
m,p-Xylene	0.067	0.19	0.29	0.83
o-Xylene	0.034	0.084	0.14	0.36
1,4-Dichlorobenzene	0.034	1.5	0.20	9.0

## Summary of Detected Compounds MODIFIED EPA METHOD TO-15 GC/MS SIM

**Client Sample ID: IAQ-FRR1-043012-K**

**Lab ID#: 1205023-02A**

Acetone	0.84	12	2.0	28
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**Client Sample ID: IAQ-FRR1-043012-K**

**Lab ID#: 1205023-02B**

No Detections Were Found.

**Client Sample ID: IAQ-FRR2-043012**

**Lab ID#: 1205023-03A**

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Freon 11	0.034	0.18	0.19	1.0
Freon 113	0.034	0.075	0.26	0.58
Carbon Tetrachloride	0.034	0.063	0.21	0.40
Benzene	0.084	0.18	0.27	0.58
Toluene	0.034	0.92	0.13	3.5
Tetrachloroethene	0.034	0.036	0.23	0.24
Ethyl Benzene	0.034	0.062	0.14	0.27
m,p-Xylene	0.067	0.19	0.29	0.83
o-Xylene	0.034	0.084	0.14	0.36
1,4-Dichlorobenzene	0.034	0.18	0.20	1.0
Acetone	0.84	9.7	2.0	23

**Client Sample ID: IAQ-FRR2-043012**

**Lab ID#: 1205023-03B**

No Detections Were Found.

**Client Sample ID: IAQ-FRR3-043012**

**Lab ID#: 1205023-04A**

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Freon 11	0.034	0.19	0.19	1.1
Freon 113	0.034	0.078	0.26	0.60
Carbon Tetrachloride	0.034	0.067	0.21	0.42
Benzene	0.084	0.18	0.27	0.56

## Summary of Detected Compounds MODIFIED EPA METHOD TO-15 GC/MS SIM

**Client Sample ID: IAQ-FRR3-043012**

**Lab ID#: 1205023-04A**

Toluene	0.034	0.41	0.13	1.6
Tetrachloroethene	0.034	0.048	0.23	0.32
Ethyl Benzene	0.034	0.056	0.14	0.24
m,p-Xylene	0.067	0.17	0.29	0.73
o-Xylene	0.034	0.062	0.14	0.27
Acetone	0.84	6.5	2.0	16

**Client Sample ID: IAQ-FRR3-043012**

**Lab ID#: 1205023-04B**

No Detections Were Found.

**Client Sample ID: IAQ-WCCS2-043012**

**Lab ID#: 1205023-05A**

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Freon 11	0.034	0.20	0.19	1.1
1,1-Dichloroethene	0.017	0.056	0.068	0.22
Freon 113	0.034	0.067	0.26	0.51
Carbon Tetrachloride	0.034	0.064	0.22	0.40
Benzene	0.086	0.17	0.27	0.54
Toluene	0.034	0.32	0.13	1.2
Tetrachloroethene	0.034	0.047	0.23	0.32
Ethyl Benzene	0.034	0.047	0.15	0.20
m,p-Xylene	0.068	0.14	0.30	0.62
o-Xylene	0.034	0.048	0.15	0.21
Acetone	0.86	5.6	2.0	13

**Client Sample ID: IAQ-WCCS2-043012**

**Lab ID#: 1205023-05B**

No Detections Were Found.

**Client Sample ID: IAQ-WCCS3-043012**

**Lab ID#: 1205023-06A**

## Summary of Detected Compounds MODIFIED EPA METHOD TO-15 GC/MS SIM

**Client Sample ID: IAQ-WCCS3-043012**

**Lab ID#: 1205023-06A**

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Freon 11	0.034	0.20	0.19	1.1
1,1-Dichloroethene	0.017	0.052	0.067	0.20
Freon 113	0.034	0.076	0.26	0.58
Carbon Tetrachloride	0.034	0.064	0.21	0.40
Benzene	0.084	0.16	0.27	0.53
Toluene	0.034	0.32	0.13	1.2
Tetrachloroethene	0.034	0.041	0.23	0.28
Ethyl Benzene	0.034	0.042	0.14	0.18
m,p-Xylene	0.067	0.13	0.29	0.57
o-Xylene	0.034	0.051	0.14	0.22
Acetone	0.84	5.3	2.0	12

**Client Sample ID: IAQ-WCCS3-043012**

**Lab ID#: 1205023-06B**

No Detections Were Found.

**Client Sample ID: IAQ-WCCS4-043012**

**Lab ID#: 1205023-07A**

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Freon 11	0.034	0.20	0.19	1.1
1,1-Dichloroethene	0.017	0.051	0.068	0.20
Freon 113	0.034	0.076	0.26	0.58
Carbon Tetrachloride	0.034	0.068	0.22	0.43
Benzene	0.086	0.16	0.27	0.51
Toluene	0.034	0.32	0.13	1.2
Tetrachloroethene	0.034	0.070	0.23	0.47
Ethyl Benzene	0.034	0.042	0.15	0.18
m,p-Xylene	0.068	0.12	0.30	0.54
o-Xylene	0.034	0.060	0.15	0.26
Acetone	0.86	6.3	2.0	15

## Summary of Detected Compounds MODIFIED EPA METHOD TO-15 GC/MS SIM

**Client Sample ID:** IAQ-WCCS4-043012

**Lab ID#:** 1205023-07B

No Detections Were Found.

**Client Sample ID:** IAQ-WCCS6-043012

**Lab ID#:** 1205023-08A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Freon 11	0.034	0.20	0.19	1.2
1,1-Dichloroethene	0.017	0.051	0.068	0.20
Freon 113	0.034	0.073	0.26	0.56
Carbon Tetrachloride	0.034	0.065	0.22	0.41
Benzene	0.086	0.16	0.27	0.51
Toluene	0.034	0.30	0.13	1.1
Ethyl Benzene	0.034	0.044	0.15	0.19
m,p-Xylene	0.068	0.13	0.30	0.55
o-Xylene	0.034	0.067	0.15	0.29
Acetone	0.86	5.3	2.0	13

**Client Sample ID:** IAQ-WCCS6-043012

**Lab ID#:** 1205023-08B

No Detections Were Found.

**Client Sample ID:** IAQ-WCCS7-043012

**Lab ID#:** 1205023-09A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Freon 11	0.035	0.22	0.20	1.2
1,1-Dichloroethene	0.018	0.058	0.069	0.23
Freon 113	0.035	0.079	0.27	0.60
Carbon Tetrachloride	0.035	0.073	0.22	0.46
Benzene	0.088	0.16	0.28	0.52
Toluene	0.035	0.30	0.13	1.2
Ethyl Benzene	0.035	0.044	0.15	0.19
m,p-Xylene	0.070	0.13	0.30	0.57
o-Xylene	0.035	0.070	0.15	0.30

## Summary of Detected Compounds MODIFIED EPA METHOD TO-15 GC/MS SIM

**Client Sample ID: IAQ-WCCS7-043012**

**Lab ID#: 1205023-09A**

Acetone	0.88	5.2	2.1	12
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**Client Sample ID: IAQ-WCCS7-043012**

**Lab ID#: 1205023-09B**

No Detections Were Found.

**Client Sample ID: IAQ-WCCS7-043012-K**

**Lab ID#: 1205023-10A**

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Freon 11	0.034	0.55	0.19	3.1
1,1-Dichloroethene	0.017	0.11	0.068	0.43
Freon 113	0.034	0.13	0.26	1.0
Chloroform	0.034	0.047	0.17	0.23
Carbon Tetrachloride	0.034	0.16	0.22	1.0
Benzene	0.086	0.35	0.27	1.1
1,2-Dichloroethane	0.034	0.051	0.14	0.21
Toluene	0.034	0.77	0.13	2.9
Tetrachloroethene	0.034	0.072	0.23	0.49
Ethyl Benzene	0.034	0.10	0.15	0.43
m,p-Xylene	0.068	0.30	0.30	1.3
o-Xylene	0.034	0.14	0.15	0.59
Acetone	0.86	13	2.0	31
Methylene Chloride	0.34	0.37	1.2	1.3

**Client Sample ID: IAQ-WCCS7-043012-K**

**Lab ID#: 1205023-10B**

No Detections Were Found.

**Client Sample ID: IAQ-ROP1-043012**

**Lab ID#: 1205023-11A**

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Freon 11	0.034	0.22	0.19	1.3

## Summary of Detected Compounds MODIFIED EPA METHOD TO-15 GC/MS SIM

**Client Sample ID: IAQ-ROP1-043012**

**Lab ID#: 1205023-11A**

1,1-Dichloroethene	0.017	0.058	0.067	0.23
Freon 113	0.034	0.061	0.26	0.47
Carbon Tetrachloride	0.034	0.070	0.21	0.44
Benzene	0.084	0.17	0.27	0.56
Toluene	0.034	0.78	0.13	2.9
Ethyl Benzene	0.034	0.062	0.14	0.27
m,p-Xylene	0.067	0.14	0.29	0.61
o-Xylene	0.034	0.045	0.14	0.19
Acetone	0.84	10	2.0	25
Methylene Chloride	0.34	0.90	1.2	3.1

**Client Sample ID: IAQ-ROP1-043012**

**Lab ID#: 1205023-11B**

No Detections Were Found.

**Client Sample ID: IAQ-ROP2-043012**

**Lab ID#: 1205023-12A**

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Freon 11	0.034	0.21	0.19	1.2
1,1-Dichloroethene	0.017	0.041	0.067	0.16
Freon 113	0.034	0.068	0.26	0.52
Carbon Tetrachloride	0.034	0.067	0.21	0.42
Benzene	0.084	0.16	0.27	0.52
Toluene	0.034	0.34	0.13	1.3
Ethyl Benzene	0.034	0.047	0.14	0.20
m,p-Xylene	0.067	0.14	0.29	0.61
o-Xylene	0.034	0.070	0.14	0.30
Acetone	0.84	6.4	2.0	15

**Client Sample ID: IAQ-ROP2-043012**

**Lab ID#: 1205023-12B**

No Detections Were Found.

## Summary of Detected Compounds MODIFIED EPA METHOD TO-15 GC/MS SIM

**Client Sample ID: IAQ-ROP3-043012**

**Lab ID#: 1205023-13A**

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Freon 11	0.034	0.22	0.19	1.2
1,1-Dichloroethene	0.017	0.064	0.068	0.25
Freon 113	0.034	0.083	0.26	0.64
Carbon Tetrachloride	0.034	0.074	0.22	0.46
Benzene	0.086	0.16	0.27	0.52
Toluene	0.034	0.51	0.13	1.9
Ethyl Benzene	0.034	0.064	0.15	0.28
m,p-Xylene	0.068	0.14	0.30	0.63
o-Xylene	0.034	0.075	0.15	0.32
Acetone	0.86	10	2.0	24
Methylene Chloride	0.34	0.34	1.2	1.2

**Client Sample ID: IAQ-ROP3-043012**

**Lab ID#: 1205023-13B**

No Detections Were Found.

**Client Sample ID: IAQ-ROP4-043012**

**Lab ID#: 1205023-14A**

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Freon 11	0.032	0.24	0.18	1.3
1,1-Dichloroethene	0.016	0.11	0.064	0.44
Freon 113	0.032	0.080	0.25	0.61
Carbon Tetrachloride	0.032	0.071	0.20	0.45
Benzene	0.080	0.16	0.26	0.50
Toluene	0.032	0.42	0.12	1.6
Ethyl Benzene	0.032	0.051	0.14	0.22
m,p-Xylene	0.064	0.12	0.28	0.52
o-Xylene	0.032	0.065	0.14	0.28
Acetone	0.80	30	1.9	71

## Summary of Detected Compounds MODIFIED EPA METHOD TO-15 GC/MS SIM

**Client Sample ID: IAQ-ROP4-043012**

**Lab ID#: 1205023-14B**

No Detections Were Found.

**Client Sample ID: IAQ-ROP5-043012**

**Lab ID#: 1205023-15A**

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Freon 11	0.032	0.25	0.18	1.4
1,1-Dichloroethene	0.016	0.14	0.063	0.56
Freon 113	0.032	0.079	0.24	0.60
Chloroform	0.032	0.053	0.15	0.26
Carbon Tetrachloride	0.032	0.067	0.20	0.42
Benzene	0.079	0.16	0.25	0.50
Toluene	0.032	0.34	0.12	1.3
Tetrachloroethene	0.032	0.041	0.21	0.28
Ethyl Benzene	0.032	0.051	0.14	0.22
m,p-Xylene	0.063	0.13	0.27	0.57
o-Xylene	0.032	0.045	0.14	0.20
Acetone	0.79	99 E	1.9	240 E

**Client Sample ID: IAQ-ROP5-043012**

**Lab ID#: 1205023-15B**

No Detections Were Found.

**Client Sample ID: IAQ-AA22-043012**

**Lab ID#: 1205023-16A**

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Freon 11	0.036	0.23	0.20	1.3
1,1-Dichloroethene	0.018	0.062	0.071	0.25
Freon 113	0.036	0.091	0.27	0.70
Carbon Tetrachloride	0.036	0.072	0.22	0.45
Benzene	0.090	0.16	0.28	0.52
Toluene	0.036	0.32	0.13	1.2
Ethyl Benzene	0.036	0.042	0.16	0.18

## Summary of Detected Compounds MODIFIED EPA METHOD TO-15 GC/MS SIM

**Client Sample ID: IAQ-AA22-043012**

**Lab ID#: 1205023-16A**

m,p-Xylene	0.072	0.12	0.31	0.51
o-Xylene	0.036	0.060	0.16	0.26
Acetone	0.90	5.2	2.1	12

**Client Sample ID: IAQ-AA22-043012**

**Lab ID#: 1205023-16B**

No Detections Were Found.

**Client Sample ID: IAQ-AA16-043012**

**Lab ID#: 1205023-17A**

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Freon 11	0.035	0.22	0.20	1.2
1,1-Dichloroethene	0.018	0.046	0.069	0.18
Freon 113	0.035	0.077	0.27	0.59
Carbon Tetrachloride	0.035	0.072	0.22	0.45
Benzene	0.088	0.17	0.28	0.54
Toluene	0.035	0.32	0.13	1.2
Ethyl Benzene	0.035	0.046	0.15	0.20
m,p-Xylene	0.070	0.13	0.30	0.56
o-Xylene	0.035	0.048	0.15	0.21
Acetone	0.88	6.2	2.1	15

**Client Sample ID: IAQ-AA16-043012**

**Lab ID#: 1205023-17B**

No Detections Were Found.

**Client Sample ID: IAQ-AA8-043012**

**Lab ID#: 1205023-18A**

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Freon 11	0.034	0.26	0.19	1.5
1,1-Dichloroethene	0.017	0.20	0.068	0.82
Freon 113	0.034	0.081	0.26	0.62

**Summary of Detected Compounds  
MODIFIED EPA METHOD TO-15 GC/MS SIM**

**Client Sample ID: IAQ-AA8-043012**

**Lab ID#: 1205023-18A**

Carbon Tetrachloride	0.034	0.073	0.22	0.46
Benzene	0.086	0.18	0.27	0.56
Toluene	0.034	0.38	0.13	1.4
Tetrachloroethene	0.034	0.049	0.23	0.33
Ethyl Benzene	0.034	0.052	0.15	0.23
<hr/>				
m,p-Xylene	0.068	0.14	0.30	0.63
o-Xylene	0.034	0.068	0.15	0.30
Acetone	0.86	6.4	2.0	15

**Client Sample ID: IAQ-AA8-043012**

**Lab ID#: 1205023-18B**

No Detections Were Found.



Air Toxics

Client Sample ID: IAQ-FRR1-043012

Lab ID#: 1205023-01A

## MODIFIED EPA METHOD TO-15 GC/MS SIM

<b>File Name:</b>	<b>c050920</b>	<b>Date of Collection:</b> 4/30/12 7:24:00 AM		
<b>Dil. Factor:</b>	<b>1.71</b>	<b>Date of Analysis:</b> 5/10/12 11:30 AM		
Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Freon 12	0.034	Not Detected	0.17	Not Detected
Freon 11	0.034	0.18	0.19	1.0
1,1-Dichloroethene	0.017	Not Detected	0.068	Not Detected
Freon 113	0.034	0.054	0.26	0.41
1,1-Dichloroethane	0.034	Not Detected	0.14	Not Detected
cis-1,2-Dichloroethene	0.034	Not Detected	0.14	Not Detected
Chloroform	0.034	Not Detected	0.17	Not Detected
1,1,1-Trichloroethane	0.034	Not Detected	0.19	Not Detected
Carbon Tetrachloride	0.034	0.059	0.22	0.37
Benzene	0.086	0.16	0.27	0.52
1,2-Dichloroethane	0.034	0.072	0.14	0.29
Trichloroethene	0.034	Not Detected	0.18	Not Detected
trans-1,3-Dichloropropene	0.034	Not Detected	0.16	Not Detected
Toluene	0.034	0.72	0.13	2.7
1,1,2-Trichloroethane	0.034	Not Detected	0.19	Not Detected
Tetrachloroethene	0.034	0.093	0.23	0.63
Chlorobenzene	0.034	Not Detected	0.16	Not Detected
Ethyl Benzene	0.034	0.069	0.15	0.30
m,p-Xylene	0.068	0.19	0.30	0.84
o-Xylene	0.034	0.065	0.15	0.28
1,4-Dichlorobenzene	0.034	1.5	0.20	9.2
1,2-Dichlorobenzene	0.034	Not Detected	0.20	Not Detected
trans-1,2-Dichloroethene	0.17	Not Detected	0.68	Not Detected
Acetone	0.86	11	2.0	26
Methylene Chloride	0.34	Not Detected	1.2	Not Detected
Methyl tert-butyl ether	0.17	Not Detected	0.62	Not Detected
1,1,2,2-Tetrachloroethane	0.034	Not Detected	0.23	Not Detected

Container Type: 6 Liter Summa Canister (SIM Certified)

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	103	70-130
Toluene-d8	97	70-130
4-Bromofluorobenzene	102	70-130



Air Toxics

Client Sample ID: IAQ-FRR1-043012

Lab ID#: 1205023-01B

**MODIFIED EPA METHOD TO-15 GC/MS SIM**

File Name:	a051007sim	Date of Collection:	4/30/12 7:24:00 AM	
Dil. Factor:	1.71	Date of Analysis:	5/10/12 01:01 PM	
Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Vinyl Chloride	0.017	Not Detected	0.044	Not Detected

**Container Type: 6 Liter Summa Canister (SIM Certified)**

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	113	70-130
Toluene-d8	96	70-130
4-Bromofluorobenzene	106	70-130



Air Toxics

Client Sample ID: IAQ-FRR1-043012-K

Lab ID#: 1205023-02A

**MODIFIED EPA METHOD TO-15 GC/MS SIM**

<b>File Name:</b>	<b>c050921</b>	<b>Date of Collection: 4/30/12 7:25:00 AM</b>		
<b>Dil. Factor:</b>	<b>1.68</b>	<b>Date of Analysis: 5/10/12 12:11 PM</b>		
<b>Compound</b>	<b>Rpt. Limit (ppbv)</b>	<b>Amount (ppbv)</b>	<b>Rpt. Limit (ug/m3)</b>	<b>Amount (ug/m3)</b>
Freon 12	0.034	Not Detected	0.17	Not Detected
Freon 11	0.034	0.18	0.19	1.0
1,1-Dichloroethene	0.017	Not Detected	0.067	Not Detected
Freon 113	0.034	0.074	0.26	0.57
1,1-Dichloroethane	0.034	Not Detected	0.14	Not Detected
cis-1,2-Dichloroethene	0.034	Not Detected	0.13	Not Detected
Chloroform	0.034	Not Detected	0.16	Not Detected
1,1,1-Trichloroethane	0.034	Not Detected	0.18	Not Detected
Carbon Tetrachloride	0.034	0.066	0.21	0.42
Benzene	0.084	0.17	0.27	0.54
1,2-Dichloroethane	0.034	0.058	0.14	0.23
Trichloroethene	0.034	Not Detected	0.18	Not Detected
trans-1,3-Dichloropropene	0.034	Not Detected	0.15	Not Detected
Toluene	0.034	0.73	0.13	2.7
1,1,2-Trichloroethane	0.034	Not Detected	0.18	Not Detected
Tetrachloroethene	0.034	0.086	0.23	0.58
Chlorobenzene	0.034	Not Detected	0.15	Not Detected
Ethyl Benzene	0.034	0.064	0.14	0.28
m,p-Xylene	0.067	0.19	0.29	0.83
o-Xylene	0.034	0.084	0.14	0.36
1,4-Dichlorobenzene	0.034	1.5	0.20	9.0
1,2-Dichlorobenzene	0.034	Not Detected	0.20	Not Detected
trans-1,2-Dichloroethene	0.17	Not Detected	0.67	Not Detected
Acetone	0.84	12	2.0	28
Methylene Chloride	0.34	Not Detected	1.2	Not Detected
Methyl tert-butyl ether	0.17	Not Detected	0.60	Not Detected
1,1,2,2-Tetrachloroethane	0.034	Not Detected	0.23	Not Detected

**Container Type: 6 Liter Summa Canister (SIM Certified)**

<b>Surrogates</b>	<b>%Recovery</b>	<b>Method Limits</b>
1,2-Dichloroethane-d4	103	70-130
Toluene-d8	97	70-130
4-Bromofluorobenzene	99	70-130



Air Toxics

Client Sample ID: IAQ-FRR1-043012-K

Lab ID#: 1205023-02B

**MODIFIED EPA METHOD TO-15 GC/MS SIM**

File Name:	a051008sim	Date of Collection:	4/30/12 7:25:00 AM	
Dil. Factor:	1.68	Date of Analysis:	5/10/12 01:37 PM	
Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Vinyl Chloride	0.017	Not Detected	0.043	Not Detected

**Container Type: 6 Liter Summa Canister (SIM Certified)**

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	114	70-130
Toluene-d8	95	70-130
4-Bromofluorobenzene	104	70-130



Air Toxics

Client Sample ID: IAQ-FRR2-043012

Lab ID#: 1205023-03A

**MODIFIED EPA METHOD TO-15 GC/MS SIM**

<b>File Name:</b>	<b>c050922</b>	<b>Date of Collection:</b> 4/30/12 7:27:00 AM		
<b>Dil. Factor:</b>	<b>1.68</b>	<b>Date of Analysis:</b> 5/10/12 01:03 PM		
Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Freon 12	0.034	Not Detected	0.17	Not Detected
Freon 11	0.034	0.18	0.19	1.0
1,1-Dichloroethene	0.017	Not Detected	0.067	Not Detected
Freon 113	0.034	0.075	0.26	0.58
1,1-Dichloroethane	0.034	Not Detected	0.14	Not Detected
cis-1,2-Dichloroethene	0.034	Not Detected	0.13	Not Detected
Chloroform	0.034	Not Detected	0.16	Not Detected
1,1,1-Trichloroethane	0.034	Not Detected	0.18	Not Detected
Carbon Tetrachloride	0.034	0.063	0.21	0.40
Benzene	0.084	0.18	0.27	0.58
1,2-Dichloroethane	0.034	Not Detected	0.14	Not Detected
Trichloroethene	0.034	Not Detected	0.18	Not Detected
trans-1,3-Dichloropropene	0.034	Not Detected	0.15	Not Detected
Toluene	0.034	0.92	0.13	3.5
1,1,2-Trichloroethane	0.034	Not Detected	0.18	Not Detected
Tetrachloroethene	0.034	0.036	0.23	0.24
Chlorobenzene	0.034	Not Detected	0.15	Not Detected
Ethyl Benzene	0.034	0.062	0.14	0.27
m,p-Xylene	0.067	0.19	0.29	0.83
o-Xylene	0.034	0.084	0.14	0.36
1,4-Dichlorobenzene	0.034	0.18	0.20	1.0
1,2-Dichlorobenzene	0.034	Not Detected	0.20	Not Detected
trans-1,2-Dichloroethene	0.17	Not Detected	0.67	Not Detected
Acetone	0.84	9.7	2.0	23
Methylene Chloride	0.34	Not Detected	1.2	Not Detected
Methyl tert-butyl ether	0.17	Not Detected	0.60	Not Detected
1,1,2,2-Tetrachloroethane	0.034	Not Detected	0.23	Not Detected

**Container Type: 6 Liter Summa Canister (SIM Certified)**

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	105	70-130
Toluene-d8	97	70-130
4-Bromofluorobenzene	96	70-130



Air Toxics

Client Sample ID: IAQ-FRR2-043012

Lab ID#: 1205023-03B

**MODIFIED EPA METHOD TO-15 GC/MS SIM**

File Name:	a051009sim	Date of Collection:	4/30/12 7:27:00 AM	
Dil. Factor:	1.68	Date of Analysis:	5/10/12 02:22 PM	
Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Vinyl Chloride	0.017	Not Detected	0.043	Not Detected

**Container Type: 6 Liter Summa Canister (SIM Certified)**

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	115	70-130
Toluene-d8	95	70-130
4-Bromofluorobenzene	101	70-130



Air Toxics

Client Sample ID: IAQ-FRR3-043012

Lab ID#: 1205023-04A

**MODIFIED EPA METHOD TO-15 GC/MS SIM**

<b>File Name:</b>	<b>c050923</b>	<b>Date of Collection:</b> 4/30/12 7:28:00 AM		
<b>Dil. Factor:</b>	<b>1.68</b>	<b>Date of Analysis:</b> 5/10/12 01:41 PM		
Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Freon 12	0.034	Not Detected	0.17	Not Detected
Freon 11	0.034	0.19	0.19	1.1
1,1-Dichloroethene	0.017	Not Detected	0.067	Not Detected
Freon 113	0.034	0.078	0.26	0.60
1,1-Dichloroethane	0.034	Not Detected	0.14	Not Detected
cis-1,2-Dichloroethene	0.034	Not Detected	0.13	Not Detected
Chloroform	0.034	Not Detected	0.16	Not Detected
1,1,1-Trichloroethane	0.034	Not Detected	0.18	Not Detected
Carbon Tetrachloride	0.034	0.067	0.21	0.42
Benzene	0.084	0.18	0.27	0.56
1,2-Dichloroethane	0.034	Not Detected	0.14	Not Detected
Trichloroethene	0.034	Not Detected	0.18	Not Detected
trans-1,3-Dichloropropene	0.034	Not Detected	0.15	Not Detected
Toluene	0.034	0.41	0.13	1.6
1,1,2-Trichloroethane	0.034	Not Detected	0.18	Not Detected
Tetrachloroethene	0.034	0.048	0.23	0.32
Chlorobenzene	0.034	Not Detected	0.15	Not Detected
Ethyl Benzene	0.034	0.056	0.14	0.24
m,p-Xylene	0.067	0.17	0.29	0.73
o-Xylene	0.034	0.062	0.14	0.27
1,4-Dichlorobenzene	0.034	Not Detected	0.20	Not Detected
1,2-Dichlorobenzene	0.034	Not Detected	0.20	Not Detected
trans-1,2-Dichloroethene	0.17	Not Detected	0.67	Not Detected
Acetone	0.84	6.5	2.0	16
Methylene Chloride	0.34	Not Detected	1.2	Not Detected
Methyl tert-butyl ether	0.17	Not Detected	0.60	Not Detected
1,1,2,2-Tetrachloroethane	0.034	Not Detected	0.23	Not Detected

**Container Type: 6 Liter Summa Canister (SIM Certified)**

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	107	70-130
Toluene-d8	98	70-130
4-Bromofluorobenzene	105	70-130



Air Toxics

Client Sample ID: IAQ-FRR3-043012

Lab ID#: 1205023-04B

**MODIFIED EPA METHOD TO-15 GC/MS SIM**

File Name:	a051010sim	Date of Collection:	4/30/12 7:28:00 AM	
Dil. Factor:	1.68	Date of Analysis:	5/10/12 03:09 PM	
Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Vinyl Chloride	0.017	Not Detected	0.043	Not Detected

**Container Type: 6 Liter Summa Canister (SIM Certified)**

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	115	70-130
Toluene-d8	95	70-130
4-Bromofluorobenzene	102	70-130



Air Toxics

Client Sample ID: IAQ-WCCS2-043012

Lab ID#: 1205023-05A

**MODIFIED EPA METHOD TO-15 GC/MS SIM**

<b>File Name:</b>	<b>c050924</b>	<b>Date of Collection:</b> 4/30/12 8:00:00 AM		
<b>Dil. Factor:</b>	<b>1.71</b>	<b>Date of Analysis:</b> 5/10/12 02:17 PM		
Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Freon 12	0.034	Not Detected	0.17	Not Detected
Freon 11	0.034	0.20	0.19	1.1
1,1-Dichloroethene	0.017	0.056	0.068	0.22
Freon 113	0.034	0.067	0.26	0.51
1,1-Dichloroethane	0.034	Not Detected	0.14	Not Detected
cis-1,2-Dichloroethene	0.034	Not Detected	0.14	Not Detected
Chloroform	0.034	Not Detected	0.17	Not Detected
1,1,1-Trichloroethane	0.034	Not Detected	0.19	Not Detected
Carbon Tetrachloride	0.034	0.064	0.22	0.40
Benzene	0.086	0.17	0.27	0.54
1,2-Dichloroethane	0.034	Not Detected	0.14	Not Detected
Trichloroethene	0.034	Not Detected	0.18	Not Detected
trans-1,3-Dichloropropene	0.034	Not Detected	0.16	Not Detected
Toluene	0.034	0.32	0.13	1.2
1,1,2-Trichloroethane	0.034	Not Detected	0.19	Not Detected
Tetrachloroethene	0.034	0.047	0.23	0.32
Chlorobenzene	0.034	Not Detected	0.16	Not Detected
Ethyl Benzene	0.034	0.047	0.15	0.20
m,p-Xylene	0.068	0.14	0.30	0.62
o-Xylene	0.034	0.048	0.15	0.21
1,4-Dichlorobenzene	0.034	Not Detected	0.20	Not Detected
1,2-Dichlorobenzene	0.034	Not Detected	0.20	Not Detected
trans-1,2-Dichloroethene	0.17	Not Detected	0.68	Not Detected
Acetone	0.86	5.6	2.0	13
Methylene Chloride	0.34	Not Detected	1.2	Not Detected
Methyl tert-butyl ether	0.17	Not Detected	0.62	Not Detected
1,1,2,2-Tetrachloroethane	0.034	Not Detected	0.23	Not Detected

**Container Type: 6 Liter Summa Canister (SIM Certified)**

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	105	70-130
Toluene-d8	98	70-130
4-Bromofluorobenzene	99	70-130



Air Toxics

Client Sample ID: IAQ-WCCS2-043012

Lab ID#: 1205023-05B

**MODIFIED EPA METHOD TO-15 GC/MS SIM**

File Name:	a051011sim	Date of Collection:	4/30/12 8:00:00 AM	
Dil. Factor:	1.71	Date of Analysis:	5/10/12 03:45 PM	
Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Vinyl Chloride	0.017	Not Detected	0.044	Not Detected

Container Type: 6 Liter Summa Canister (SIM Certified)

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	114	70-130
Toluene-d8	96	70-130
4-Bromofluorobenzene	103	70-130



Air Toxics

Client Sample ID: IAQ-WCCS3-043012

Lab ID#: 1205023-06A

**MODIFIED EPA METHOD TO-15 GC/MS SIM**

<b>File Name:</b>	<b>c051008</b>	<b>Date of Collection:</b> 4/30/12 7:52:00 AM		
<b>Dil. Factor:</b>	<b>1.68</b>	<b>Date of Analysis:</b> 5/10/12 07:35 PM		
Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Freon 12	0.034	Not Detected	0.17	Not Detected
Freon 11	0.034	0.20	0.19	1.1
1,1-Dichloroethene	0.017	0.052	0.067	0.20
Freon 113	0.034	0.076	0.26	0.58
1,1-Dichloroethane	0.034	Not Detected	0.14	Not Detected
cis-1,2-Dichloroethene	0.034	Not Detected	0.13	Not Detected
Chloroform	0.034	Not Detected	0.16	Not Detected
1,1,1-Trichloroethane	0.034	Not Detected	0.18	Not Detected
Carbon Tetrachloride	0.034	0.064	0.21	0.40
Benzene	0.084	0.16	0.27	0.53
1,2-Dichloroethane	0.034	Not Detected	0.14	Not Detected
Trichloroethene	0.034	Not Detected	0.18	Not Detected
trans-1,3-Dichloropropene	0.034	Not Detected	0.15	Not Detected
Toluene	0.034	0.32	0.13	1.2
1,1,2-Trichloroethane	0.034	Not Detected	0.18	Not Detected
Tetrachloroethene	0.034	0.041	0.23	0.28
Chlorobenzene	0.034	Not Detected	0.15	Not Detected
Ethyl Benzene	0.034	0.042	0.14	0.18
m,p-Xylene	0.067	0.13	0.29	0.57
o-Xylene	0.034	0.051	0.14	0.22
1,4-Dichlorobenzene	0.034	Not Detected	0.20	Not Detected
1,2-Dichlorobenzene	0.034	Not Detected	0.20	Not Detected
trans-1,2-Dichloroethene	0.17	Not Detected	0.67	Not Detected
Acetone	0.84	5.3	2.0	12
Methylene Chloride	0.34	Not Detected	1.2	Not Detected
Methyl tert-butyl ether	0.17	Not Detected	0.60	Not Detected
1,1,2,2-Tetrachloroethane	0.034	Not Detected	0.23	Not Detected

**Container Type: 6 Liter Summa Canister (SIM Certified)**

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	105	70-130
Toluene-d8	97	70-130
4-Bromofluorobenzene	96	70-130



Air Toxics

Client Sample ID: IAQ-WCCS3-043012

Lab ID#: 1205023-06B

**MODIFIED EPA METHOD TO-15 GC/MS SIM**

File Name:	a051012sim	Date of Collection:	4/30/12 7:52:00 AM	
Dil. Factor:	1.68	Date of Analysis:	5/10/12 04:37 PM	
Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Vinyl Chloride	0.017	Not Detected	0.043	Not Detected

**Container Type: 6 Liter Summa Canister (SIM Certified)**

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	113	70-130
Toluene-d8	94	70-130
4-Bromofluorobenzene	103	70-130



Air Toxics

Client Sample ID: IAQ-WCCS4-043012

Lab ID#: 1205023-07A

## MODIFIED EPA METHOD TO-15 GC/MS SIM

File Name:	c051009	Date of Collection:	4/30/12 7:58:00 AM	
Dil. Factor:	1.71	Date of Analysis:	5/10/12 08:20 PM	
Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Freon 12	0.034	Not Detected	0.17	Not Detected
Freon 11	0.034	0.20	0.19	1.1
1,1-Dichloroethene	0.017	0.051	0.068	0.20
Freon 113	0.034	0.076	0.26	0.58
1,1-Dichloroethane	0.034	Not Detected	0.14	Not Detected
cis-1,2-Dichloroethene	0.034	Not Detected	0.14	Not Detected
Chloroform	0.034	Not Detected	0.17	Not Detected
1,1,1-Trichloroethane	0.034	Not Detected	0.19	Not Detected
Carbon Tetrachloride	0.034	0.068	0.22	0.43
Benzene	0.086	0.16	0.27	0.51
1,2-Dichloroethane	0.034	Not Detected	0.14	Not Detected
Trichloroethene	0.034	Not Detected	0.18	Not Detected
trans-1,3-Dichloropropene	0.034	Not Detected	0.16	Not Detected
Toluene	0.034	0.32	0.13	1.2
1,1,2-Trichloroethane	0.034	Not Detected	0.19	Not Detected
Tetrachloroethene	0.034	0.070	0.23	0.47
Chlorobenzene	0.034	Not Detected	0.16	Not Detected
Ethyl Benzene	0.034	0.042	0.15	0.18
m,p-Xylene	0.068	0.12	0.30	0.54
o-Xylene	0.034	0.060	0.15	0.26
1,4-Dichlorobenzene	0.034	Not Detected	0.20	Not Detected
1,2-Dichlorobenzene	0.034	Not Detected	0.20	Not Detected
trans-1,2-Dichloroethene	0.17	Not Detected	0.68	Not Detected
Acetone	0.86	6.3	2.0	15
Methylene Chloride	0.34	Not Detected	1.2	Not Detected
Methyl tert-butyl ether	0.17	Not Detected	0.62	Not Detected
1,1,2,2-Tetrachloroethane	0.034	Not Detected	0.23	Not Detected

Container Type: 6 Liter Summa Canister (SIM Certified)

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	109	70-130
Toluene-d8	97	70-130
4-Bromofluorobenzene	95	70-130



Air Toxics

Client Sample ID: IAQ-WCCS4-043012

Lab ID#: 1205023-07B

**MODIFIED EPA METHOD TO-15 GC/MS SIM**

File Name:	a051013sim	Date of Collection:	4/30/12 7:58:00 AM	
Dil. Factor:	1.71	Date of Analysis:	5/10/12 05:20 PM	
Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Vinyl Chloride	0.017	Not Detected	0.044	Not Detected

Container Type: 6 Liter Summa Canister (SIM Certified)

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	114	70-130
Toluene-d8	95	70-130
4-Bromofluorobenzene	102	70-130



Air Toxics

Client Sample ID: IAQ-WCCS6-043012

Lab ID#: 1205023-08A

**MODIFIED EPA METHOD TO-15 GC/MS SIM**

<b>File Name:</b>	<b>c051010</b>	<b>Date of Collection:</b> 4/30/12 8:06:00 AM		
<b>Dil. Factor:</b>	<b>1.71</b>	<b>Date of Analysis:</b> 5/10/12 09:02 PM		
Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Freon 12	0.034	Not Detected	0.17	Not Detected
Freon 11	0.034	0.20	0.19	1.2
1,1-Dichloroethene	0.017	0.051	0.068	0.20
Freon 113	0.034	0.073	0.26	0.56
1,1-Dichloroethane	0.034	Not Detected	0.14	Not Detected
cis-1,2-Dichloroethene	0.034	Not Detected	0.14	Not Detected
Chloroform	0.034	Not Detected	0.17	Not Detected
1,1,1-Trichloroethane	0.034	Not Detected	0.19	Not Detected
Carbon Tetrachloride	0.034	0.065	0.22	0.41
Benzene	0.086	0.16	0.27	0.51
1,2-Dichloroethane	0.034	Not Detected	0.14	Not Detected
Trichloroethene	0.034	Not Detected	0.18	Not Detected
trans-1,3-Dichloropropene	0.034	Not Detected	0.16	Not Detected
Toluene	0.034	0.30	0.13	1.1
1,1,2-Trichloroethane	0.034	Not Detected	0.19	Not Detected
Tetrachloroethene	0.034	Not Detected	0.23	Not Detected
Chlorobenzene	0.034	Not Detected	0.16	Not Detected
Ethyl Benzene	0.034	0.044	0.15	0.19
m,p-Xylene	0.068	0.13	0.30	0.55
o-Xylene	0.034	0.067	0.15	0.29
1,4-Dichlorobenzene	0.034	Not Detected	0.20	Not Detected
1,2-Dichlorobenzene	0.034	Not Detected	0.20	Not Detected
trans-1,2-Dichloroethene	0.17	Not Detected	0.68	Not Detected
Acetone	0.86	5.3	2.0	13
Methylene Chloride	0.34	Not Detected	1.2	Not Detected
Methyl tert-butyl ether	0.17	Not Detected	0.62	Not Detected
1,1,2,2-Tetrachloroethane	0.034	Not Detected	0.23	Not Detected

**Container Type: 6 Liter Summa Canister (SIM Certified)**

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	110	70-130
Toluene-d8	96	70-130
4-Bromofluorobenzene	96	70-130



Air Toxics

Client Sample ID: IAQ-WCCS6-043012

Lab ID#: 1205023-08B

**MODIFIED EPA METHOD TO-15 GC/MS SIM**

File Name:	a051014sim	Date of Collection:	4/30/12 8:06:00 AM	
Dil. Factor:	1.71	Date of Analysis:	5/10/12 05:58 PM	
Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Vinyl Chloride	0.017	Not Detected	0.044	Not Detected

Container Type: 6 Liter Summa Canister (SIM Certified)

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	116	70-130
Toluene-d8	95	70-130
4-Bromofluorobenzene	102	70-130



Air Toxics

Client Sample ID: IAQ-WCCS7-043012

Lab ID#: 1205023-09A

**MODIFIED EPA METHOD TO-15 GC/MS SIM**

<b>File Name:</b>	<b>c051011</b>	<b>Date of Collection:</b> 4/30/12 8:04:00 AM		
<b>Dil. Factor:</b>	<b>1.75</b>	<b>Date of Analysis:</b> 5/10/12 09:44 PM		
Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Freon 12	0.035	Not Detected	0.17	Not Detected
Freon 11	0.035	0.22	0.20	1.2
1,1-Dichloroethene	0.018	0.058	0.069	0.23
Freon 113	0.035	0.079	0.27	0.60
1,1-Dichloroethane	0.035	Not Detected	0.14	Not Detected
cis-1,2-Dichloroethene	0.035	Not Detected	0.14	Not Detected
Chloroform	0.035	Not Detected	0.17	Not Detected
1,1,1-Trichloroethane	0.035	Not Detected	0.19	Not Detected
Carbon Tetrachloride	0.035	0.073	0.22	0.46
Benzene	0.088	0.16	0.28	0.52
1,2-Dichloroethane	0.035	Not Detected	0.14	Not Detected
Trichloroethene	0.035	Not Detected	0.19	Not Detected
trans-1,3-Dichloropropene	0.035	Not Detected	0.16	Not Detected
Toluene	0.035	0.30	0.13	1.2
1,1,2-Trichloroethane	0.035	Not Detected	0.19	Not Detected
Tetrachloroethene	0.035	Not Detected	0.24	Not Detected
Chlorobenzene	0.035	Not Detected	0.16	Not Detected
Ethyl Benzene	0.035	0.044	0.15	0.19
m,p-Xylene	0.070	0.13	0.30	0.57
o-Xylene	0.035	0.070	0.15	0.30
1,4-Dichlorobenzene	0.035	Not Detected	0.21	Not Detected
1,2-Dichlorobenzene	0.035	Not Detected	0.21	Not Detected
trans-1,2-Dichloroethene	0.18	Not Detected	0.69	Not Detected
Acetone	0.88	5.2	2.1	12
Methylene Chloride	0.35	Not Detected	1.2	Not Detected
Methyl tert-butyl ether	0.18	Not Detected	0.63	Not Detected
1,1,2,2-Tetrachloroethane	0.035	Not Detected	0.24	Not Detected

**Container Type: 6 Liter Summa Canister (SIM Certified)**

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	112	70-130
Toluene-d8	97	70-130
4-Bromofluorobenzene	96	70-130



Air Toxics

Client Sample ID: IAQ-WCCS7-043012

Lab ID#: 1205023-09B

**MODIFIED EPA METHOD TO-15 GC/MS SIM**

File Name:	a051015sim	Date of Collection:	4/30/12 8:04:00 AM	
Dil. Factor:	1.75	Date of Analysis:	5/10/12 06:34 PM	
Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Vinyl Chloride	0.018	Not Detected	0.045	Not Detected

**Container Type: 6 Liter Summa Canister (SIM Certified)**

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	115	70-130
Toluene-d8	95	70-130
4-Bromofluorobenzene	102	70-130



Air Toxics

Client Sample ID: IAQ-WCCS7-043012-K

Lab ID#: 1205023-10A

**MODIFIED EPA METHOD TO-15 GC/MS SIM**

<b>File Name:</b>	<b>c051012</b>	<b>Date of Collection: 4/30/12 8:05:00 AM</b>		
<b>Dil. Factor:</b>	<b>1.71</b>	<b>Date of Analysis: 5/10/12 10:45 PM</b>		
<b>Compound</b>	<b>Rpt. Limit (ppbv)</b>	<b>Amount (ppbv)</b>	<b>Rpt. Limit (ug/m3)</b>	<b>Amount (ug/m3)</b>
Freon 12	0.034	Not Detected	0.17	Not Detected
Freon 11	0.034	0.55	0.19	3.1
1,1-Dichloroethene	0.017	0.11	0.068	0.43
Freon 113	0.034	0.13	0.26	1.0
1,1-Dichloroethane	0.034	Not Detected	0.14	Not Detected
cis-1,2-Dichloroethene	0.034	Not Detected	0.14	Not Detected
Chloroform	0.034	0.047	0.17	0.23
1,1,1-Trichloroethane	0.034	Not Detected	0.19	Not Detected
Carbon Tetrachloride	0.034	0.16	0.22	1.0
Benzene	0.086	0.35	0.27	1.1
1,2-Dichloroethane	0.034	0.051	0.14	0.21
Trichloroethene	0.034	Not Detected	0.18	Not Detected
trans-1,3-Dichloropropene	0.034	Not Detected	0.16	Not Detected
Toluene	0.034	0.77	0.13	2.9
1,1,2-Trichloroethane	0.034	Not Detected	0.19	Not Detected
Tetrachloroethene	0.034	0.072	0.23	0.49
Chlorobenzene	0.034	Not Detected	0.16	Not Detected
Ethyl Benzene	0.034	0.10	0.15	0.43
m,p-Xylene	0.068	0.30	0.30	1.3
o-Xylene	0.034	0.14	0.15	0.59
1,4-Dichlorobenzene	0.034	Not Detected	0.20	Not Detected
1,2-Dichlorobenzene	0.034	Not Detected	0.20	Not Detected
trans-1,2-Dichloroethene	0.17	Not Detected	0.68	Not Detected
Acetone	0.86	13	2.0	31
Methylene Chloride	0.34	0.37	1.2	1.3
Methyl tert-butyl ether	0.17	Not Detected	0.62	Not Detected
1,1,2,2-Tetrachloroethane	0.034	Not Detected	0.23	Not Detected

**Container Type: 6 Liter Summa Canister (SIM Certified)**

<b>Surrogates</b>	<b>%Recovery</b>	<b>Method Limits</b>
1,2-Dichloroethane-d4	116	70-130
Toluene-d8	100	70-130
4-Bromofluorobenzene	96	70-130



Air Toxics

Client Sample ID: IAQ-WCCS7-043012-K

Lab ID#: 1205023-10B

**MODIFIED EPA METHOD TO-15 GC/MS SIM**

File Name:	a051016sim	Date of Collection:	4/30/12 8:05:00 AM	
Dil. Factor:	1.71	Date of Analysis:	5/10/12 07:16 PM	
Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Vinyl Chloride	0.017	Not Detected	0.044	Not Detected

**Container Type: 6 Liter Summa Canister (SIM Certified)**

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	114	70-130
Toluene-d8	96	70-130
4-Bromofluorobenzene	105	70-130



Air Toxics

Client Sample ID: IAQ-ROP1-043012

Lab ID#: 1205023-11A

**MODIFIED EPA METHOD TO-15 GC/MS SIM**

<b>File Name:</b>	<b>c051013</b>	<b>Date of Collection:</b> 4/30/12 8:23:00 AM		
<b>Dil. Factor:</b>	<b>1.68</b>	<b>Date of Analysis:</b> 5/11/12 07:24 AM		
Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Freon 12	0.034	Not Detected	0.17	Not Detected
Freon 11	0.034	0.22	0.19	1.3
1,1-Dichloroethene	0.017	0.058	0.067	0.23
Freon 113	0.034	0.061	0.26	0.47
1,1-Dichloroethane	0.034	Not Detected	0.14	Not Detected
cis-1,2-Dichloroethene	0.034	Not Detected	0.13	Not Detected
Chloroform	0.034	Not Detected	0.16	Not Detected
1,1,1-Trichloroethane	0.034	Not Detected	0.18	Not Detected
Carbon Tetrachloride	0.034	0.070	0.21	0.44
Benzene	0.084	0.17	0.27	0.56
1,2-Dichloroethane	0.034	Not Detected	0.14	Not Detected
Trichloroethene	0.034	Not Detected	0.18	Not Detected
trans-1,3-Dichloropropene	0.034	Not Detected	0.15	Not Detected
Toluene	0.034	0.78	0.13	2.9
1,1,2-Trichloroethane	0.034	Not Detected	0.18	Not Detected
Tetrachloroethene	0.034	Not Detected	0.23	Not Detected
Chlorobenzene	0.034	Not Detected	0.15	Not Detected
Ethyl Benzene	0.034	0.062	0.14	0.27
m,p-Xylene	0.067	0.14	0.29	0.61
o-Xylene	0.034	0.045	0.14	0.19
1,4-Dichlorobenzene	0.034	Not Detected	0.20	Not Detected
1,2-Dichlorobenzene	0.034	Not Detected	0.20	Not Detected
trans-1,2-Dichloroethene	0.17	Not Detected	0.67	Not Detected
Acetone	0.84	10	2.0	25
Methylene Chloride	0.34	0.90	1.2	3.1
Methyl tert-butyl ether	0.17	Not Detected	0.60	Not Detected
1,1,2,2-Tetrachloroethane	0.034	Not Detected	0.23	Not Detected

**Container Type: 6 Liter Summa Canister (SIM Certified)**

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	116	70-130
Toluene-d8	104	70-130
4-Bromofluorobenzene	97	70-130



Air Toxics

Client Sample ID: IAQ-ROP1-043012

Lab ID#: 1205023-11B

**MODIFIED EPA METHOD TO-15 GC/MS SIM**

File Name:	a051017sim	Date of Collection:	4/30/12 8:23:00 AM	
Dil. Factor:	1.68	Date of Analysis:	5/10/12 07:54 PM	
Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Vinyl Chloride	0.017	Not Detected	0.043	Not Detected

**Container Type: 6 Liter Summa Canister (SIM Certified)**

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	113	70-130
Toluene-d8	95	70-130
4-Bromofluorobenzene	102	70-130



Air Toxics

Client Sample ID: IAQ-ROP2-043012

Lab ID#: 1205023-12A

**MODIFIED EPA METHOD TO-15 GC/MS SIM**

<b>File Name:</b>	<b>c051014</b>	<b>Date of Collection:</b> 4/30/12 8:30:00 AM		
<b>Dil. Factor:</b>	<b>1.68</b>	<b>Date of Analysis:</b> 5/11/12 07:59 AM		
Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Freon 12	0.034	Not Detected	0.17	Not Detected
Freon 11	0.034	0.21	0.19	1.2
1,1-Dichloroethene	0.017	0.041	0.067	0.16
Freon 113	0.034	0.068	0.26	0.52
1,1-Dichloroethane	0.034	Not Detected	0.14	Not Detected
cis-1,2-Dichloroethene	0.034	Not Detected	0.13	Not Detected
Chloroform	0.034	Not Detected	0.16	Not Detected
1,1,1-Trichloroethane	0.034	Not Detected	0.18	Not Detected
Carbon Tetrachloride	0.034	0.067	0.21	0.42
Benzene	0.084	0.16	0.27	0.52
1,2-Dichloroethane	0.034	Not Detected	0.14	Not Detected
Trichloroethene	0.034	Not Detected	0.18	Not Detected
trans-1,3-Dichloropropene	0.034	Not Detected	0.15	Not Detected
Toluene	0.034	0.34	0.13	1.3
1,1,2-Trichloroethane	0.034	Not Detected	0.18	Not Detected
Tetrachloroethene	0.034	Not Detected	0.23	Not Detected
Chlorobenzene	0.034	Not Detected	0.15	Not Detected
Ethyl Benzene	0.034	0.047	0.14	0.20
m,p-Xylene	0.067	0.14	0.29	0.61
o-Xylene	0.034	0.070	0.14	0.30
1,4-Dichlorobenzene	0.034	Not Detected	0.20	Not Detected
1,2-Dichlorobenzene	0.034	Not Detected	0.20	Not Detected
trans-1,2-Dichloroethene	0.17	Not Detected	0.67	Not Detected
Acetone	0.84	6.4	2.0	15
Methylene Chloride	0.34	Not Detected	1.2	Not Detected
Methyl tert-butyl ether	0.17	Not Detected	0.60	Not Detected
1,1,2,2-Tetrachloroethane	0.034	Not Detected	0.23	Not Detected

**Container Type: 6 Liter Summa Canister (SIM Certified)**

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	115	70-130
Toluene-d8	99	70-130
4-Bromofluorobenzene	97	70-130



Air Toxics

Client Sample ID: IAQ-ROP2-043012

Lab ID#: 1205023-12B

**MODIFIED EPA METHOD TO-15 GC/MS SIM**

File Name:	a051018sim	Date of Collection:	4/30/12 8:30:00 AM	
Dil. Factor:	1.68	Date of Analysis:	5/10/12 08:40 PM	
Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Vinyl Chloride	0.017	Not Detected	0.043	Not Detected

**Container Type: 6 Liter Summa Canister (SIM Certified)**

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	114	70-130
Toluene-d8	95	70-130
4-Bromofluorobenzene	103	70-130



Air Toxics

Client Sample ID: IAQ-ROP3-043012

Lab ID#: 1205023-13A

**MODIFIED EPA METHOD TO-15 GC/MS SIM**

<b>File Name:</b>	<b>c051015</b>	<b>Date of Collection: 4/30/12 8:27:00 AM</b>		
<b>Dil. Factor:</b>	<b>1.71</b>	<b>Date of Analysis: 5/11/12 08:35 AM</b>		
<b>Compound</b>	<b>Rpt. Limit (ppbv)</b>	<b>Amount (ppbv)</b>	<b>Rpt. Limit (ug/m3)</b>	<b>Amount (ug/m3)</b>
Freon 12	0.034	Not Detected	0.17	Not Detected
Freon 11	0.034	0.22	0.19	1.2
1,1-Dichloroethene	0.017	0.064	0.068	0.25
Freon 113	0.034	0.083	0.26	0.64
1,1-Dichloroethane	0.034	Not Detected	0.14	Not Detected
cis-1,2-Dichloroethene	0.034	Not Detected	0.14	Not Detected
Chloroform	0.034	Not Detected	0.17	Not Detected
1,1,1-Trichloroethane	0.034	Not Detected	0.19	Not Detected
Carbon Tetrachloride	0.034	0.074	0.22	0.46
Benzene	0.086	0.16	0.27	0.52
1,2-Dichloroethane	0.034	Not Detected	0.14	Not Detected
Trichloroethene	0.034	Not Detected	0.18	Not Detected
trans-1,3-Dichloropropene	0.034	Not Detected	0.16	Not Detected
Toluene	0.034	0.51	0.13	1.9
1,1,2-Trichloroethane	0.034	Not Detected	0.19	Not Detected
Tetrachloroethene	0.034	Not Detected	0.23	Not Detected
Chlorobenzene	0.034	Not Detected	0.16	Not Detected
Ethyl Benzene	0.034	0.064	0.15	0.28
m,p-Xylene	0.068	0.14	0.30	0.63
o-Xylene	0.034	0.075	0.15	0.32
1,4-Dichlorobenzene	0.034	Not Detected	0.20	Not Detected
1,2-Dichlorobenzene	0.034	Not Detected	0.20	Not Detected
trans-1,2-Dichloroethene	0.17	Not Detected	0.68	Not Detected
Acetone	0.86	10	2.0	24
Methylene Chloride	0.34	0.34	1.2	1.2
Methyl tert-butyl ether	0.17	Not Detected	0.62	Not Detected
1,1,2,2-Tetrachloroethane	0.034	Not Detected	0.23	Not Detected

**Container Type: 6 Liter Summa Canister (SIM Certified)**

<b>Surrogates</b>	<b>%Recovery</b>	<b>Method Limits</b>
1,2-Dichloroethane-d4	116	70-130
Toluene-d8	105	70-130
4-Bromofluorobenzene	98	70-130



Air Toxics

Client Sample ID: IAQ-ROP3-043012

Lab ID#: 1205023-13B

**MODIFIED EPA METHOD TO-15 GC/MS SIM**

File Name:	a051019sim	Date of Collection:	4/30/12 8:27:00 AM	
Dil. Factor:	1.71	Date of Analysis:	5/10/12 09:26 PM	
Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Vinyl Chloride	0.017	Not Detected	0.044	Not Detected

**Container Type: 6 Liter Summa Canister (SIM Certified)**

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	113	70-130
Toluene-d8	95	70-130
4-Bromofluorobenzene	101	70-130



Air Toxics

Client Sample ID: IAQ-ROP4-043012

Lab ID#: 1205023-14A

**MODIFIED EPA METHOD TO-15 GC/MS SIM**

<b>File Name:</b>	<b>c051108</b>	<b>Date of Collection:</b> 4/30/12 7:51:00 AM		
<b>Dil. Factor:</b>	<b>1.61</b>	<b>Date of Analysis:</b> 5/11/12 07:37 PM		
Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Freon 12	0.032	Not Detected	0.16	Not Detected
Freon 11	0.032	0.24	0.18	1.3
1,1-Dichloroethene	0.016	0.11	0.064	0.44
Freon 113	0.032	0.080	0.25	0.61
1,1-Dichloroethane	0.032	Not Detected	0.13	Not Detected
cis-1,2-Dichloroethene	0.032	Not Detected	0.13	Not Detected
Chloroform	0.032	Not Detected	0.16	Not Detected
1,1,1-Trichloroethane	0.032	Not Detected	0.18	Not Detected
Carbon Tetrachloride	0.032	0.071	0.20	0.45
Benzene	0.080	0.16	0.26	0.50
1,2-Dichloroethane	0.032	Not Detected	0.13	Not Detected
Trichloroethene	0.032	Not Detected	0.17	Not Detected
trans-1,3-Dichloropropene	0.032	Not Detected	0.15	Not Detected
Toluene	0.032	0.42	0.12	1.6
1,1,2-Trichloroethane	0.032	Not Detected	0.18	Not Detected
Tetrachloroethene	0.032	Not Detected	0.22	Not Detected
Chlorobenzene	0.032	Not Detected	0.15	Not Detected
Ethyl Benzene	0.032	0.051	0.14	0.22
m,p-Xylene	0.064	0.12	0.28	0.52
o-Xylene	0.032	0.065	0.14	0.28
1,4-Dichlorobenzene	0.032	Not Detected	0.19	Not Detected
1,2-Dichlorobenzene	0.032	Not Detected	0.19	Not Detected
trans-1,2-Dichloroethene	0.16	Not Detected	0.64	Not Detected
Acetone	0.80	30	1.9	71
Methylene Chloride	0.32	Not Detected	1.1	Not Detected
Methyl tert-butyl ether	0.16	Not Detected	0.58	Not Detected
1,1,2,2-Tetrachloroethane	0.032	Not Detected	0.22	Not Detected

**Container Type: 6 Liter Summa Canister (SIM Certified)**

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	118	70-130
Toluene-d8	98	70-130
4-Bromofluorobenzene	96	70-130



Air Toxics

Client Sample ID: IAQ-ROP4-043012

Lab ID#: 1205023-14B

**MODIFIED EPA METHOD TO-15 GC/MS SIM**

File Name:	a051020sim	Date of Collection:	4/30/12 7:51:00 AM	
Dil. Factor:	1.61	Date of Analysis:	5/10/12 10:09 PM	
Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Vinyl Chloride	0.016	Not Detected	0.041	Not Detected

**Container Type: 6 Liter Summa Canister (SIM Certified)**

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	112	70-130
Toluene-d8	95	70-130
4-Bromofluorobenzene	102	70-130



Air Toxics

Client Sample ID: IAQ-ROP5-043012

Lab ID#: 1205023-15A

**MODIFIED EPA METHOD TO-15 GC/MS SIM**

<b>File Name:</b>	<b>c051109</b>	<b>Date of Collection:</b> 4/30/12 7:50:00 AM		
<b>Dil. Factor:</b>	<b>1.58</b>	<b>Date of Analysis:</b> 5/11/12 08:32 PM		
Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Freon 12	0.032	Not Detected	0.16	Not Detected
Freon 11	0.032	0.25	0.18	1.4
1,1-Dichloroethene	0.016	0.14	0.063	0.56
Freon 113	0.032	0.079	0.24	0.60
1,1-Dichloroethane	0.032	Not Detected	0.13	Not Detected
cis-1,2-Dichloroethene	0.032	Not Detected	0.12	Not Detected
Chloroform	0.032	0.053	0.15	0.26
1,1,1-Trichloroethane	0.032	Not Detected	0.17	Not Detected
Carbon Tetrachloride	0.032	0.067	0.20	0.42
Benzene	0.079	0.16	0.25	0.50
1,2-Dichloroethane	0.032	Not Detected	0.13	Not Detected
Trichloroethene	0.032	Not Detected	0.17	Not Detected
trans-1,3-Dichloropropene	0.032	Not Detected	0.14	Not Detected
Toluene	0.032	0.34	0.12	1.3
1,1,2-Trichloroethane	0.032	Not Detected	0.17	Not Detected
Tetrachloroethene	0.032	0.041	0.21	0.28
Chlorobenzene	0.032	Not Detected	0.14	Not Detected
Ethyl Benzene	0.032	0.051	0.14	0.22
m,p-Xylene	0.063	0.13	0.27	0.57
o-Xylene	0.032	0.045	0.14	0.20
1,4-Dichlorobenzene	0.032	Not Detected	0.19	Not Detected
1,2-Dichlorobenzene	0.032	Not Detected	0.19	Not Detected
trans-1,2-Dichloroethene	0.16	Not Detected	0.63	Not Detected
Acetone	0.79	99 E	1.9	240 E
Methylene Chloride	0.32	Not Detected	1.1	Not Detected
Methyl tert-butyl ether	0.16	Not Detected	0.57	Not Detected
1,1,2,2-Tetrachloroethane	0.032	Not Detected	0.22	Not Detected

E = Exceeds instrument calibration range.

**Container Type: 6 Liter Summa Canister (SIM Certified)**

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	119	70-130
Toluene-d8	106	70-130
4-Bromofluorobenzene	97	70-130



Air Toxics

Client Sample ID: IAQ-ROP5-043012

Lab ID#: 1205023-15B

**MODIFIED EPA METHOD TO-15 GC/MS SIM**

File Name:	a051021sim	Date of Collection:	4/30/12 7:50:00 AM	
Dil. Factor:	1.58	Date of Analysis:	5/10/12 10:49 PM	
Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Vinyl Chloride	0.016	Not Detected	0.040	Not Detected

**Container Type: 6 Liter Summa Canister (SIM Certified)**

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	111	70-130
Toluene-d8	95	70-130
4-Bromofluorobenzene	103	70-130



Air Toxics

Client Sample ID: IAQ-AA22-043012

Lab ID#: 1205023-16A

**MODIFIED EPA METHOD TO-15 GC/MS SIM**

<b>File Name:</b>	<b>c051113</b>	<b>Date of Collection:</b> 4/30/12 8:09:00 AM		
<b>Dil. Factor:</b>	<b>1.79</b>	<b>Date of Analysis:</b> 5/11/12 11:33 PM		
<b>Compound</b>	<b>Rpt. Limit (ppbv)</b>	<b>Amount (ppbv)</b>	<b>Rpt. Limit (ug/m3)</b>	<b>Amount (ug/m3)</b>
Freon 12	0.036	Not Detected	0.18	Not Detected
Freon 11	0.036	0.23	0.20	1.3
1,1-Dichloroethene	0.018	0.062	0.071	0.25
Freon 113	0.036	0.091	0.27	0.70
1,1-Dichloroethane	0.036	Not Detected	0.14	Not Detected
cis-1,2-Dichloroethene	0.036	Not Detected	0.14	Not Detected
Chloroform	0.036	Not Detected	0.17	Not Detected
1,1,1-Trichloroethane	0.036	Not Detected	0.20	Not Detected
Carbon Tetrachloride	0.036	0.072	0.22	0.45
Benzene	0.090	0.16	0.28	0.52
1,2-Dichloroethane	0.036	Not Detected	0.14	Not Detected
Trichloroethene	0.036	Not Detected	0.19	Not Detected
trans-1,3-Dichloropropene	0.036	Not Detected	0.16	Not Detected
Toluene	0.036	0.32	0.13	1.2
1,1,2-Trichloroethane	0.036	Not Detected	0.20	Not Detected
Tetrachloroethene	0.036	Not Detected	0.24	Not Detected
Chlorobenzene	0.036	Not Detected	0.16	Not Detected
Ethyl Benzene	0.036	0.042	0.16	0.18
m,p-Xylene	0.072	0.12	0.31	0.51
o-Xylene	0.036	0.060	0.16	0.26
1,4-Dichlorobenzene	0.036	Not Detected	0.22	Not Detected
1,2-Dichlorobenzene	0.036	Not Detected	0.22	Not Detected
trans-1,2-Dichloroethene	0.18	Not Detected	0.71	Not Detected
Acetone	0.90	5.2	2.1	12
Methylene Chloride	0.36	Not Detected	1.2	Not Detected
Methyl tert-butyl ether	0.18	Not Detected	0.64	Not Detected
1,1,2,2-Tetrachloroethane	0.036	Not Detected	0.24	Not Detected

**Container Type: 6 Liter Summa Canister (SIM Certified)**

<b>Surrogates</b>	<b>%Recovery</b>	<b>Method Limits</b>
1,2-Dichloroethane-d4	119	70-130
Toluene-d8	97	70-130
4-Bromofluorobenzene	94	70-130



Air Toxics

Client Sample ID: IAQ-AA22-043012

Lab ID#: 1205023-16B

**MODIFIED EPA METHOD TO-15 GC/MS SIM**

File Name:	a051022sim	Date of Collection:	4/30/12 8:09:00 AM	
Dil. Factor:	1.79	Date of Analysis:	5/11/12 07:29 AM	
Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Vinyl Chloride	0.018	Not Detected	0.046	Not Detected

**Container Type: 6 Liter Summa Canister (SIM Certified)**

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	115	70-130
Toluene-d8	95	70-130
4-Bromofluorobenzene	104	70-130



Air Toxics

Client Sample ID: IAQ-AA16-043012

Lab ID#: 1205023-17A

**MODIFIED EPA METHOD TO-15 GC/MS SIM**

<b>File Name:</b>	<b>c051111</b>	<b>Date of Collection:</b> 4/30/12 8:10:00 AM		
<b>Dil. Factor:</b>	<b>1.75</b>	<b>Date of Analysis:</b> 5/11/12 09:57 PM		
Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Freon 12	0.035	Not Detected	0.17	Not Detected
Freon 11	0.035	0.22	0.20	1.2
1,1-Dichloroethene	0.018	0.046	0.069	0.18
Freon 113	0.035	0.077	0.27	0.59
1,1-Dichloroethane	0.035	Not Detected	0.14	Not Detected
cis-1,2-Dichloroethene	0.035	Not Detected	0.14	Not Detected
Chloroform	0.035	Not Detected	0.17	Not Detected
1,1,1-Trichloroethane	0.035	Not Detected	0.19	Not Detected
Carbon Tetrachloride	0.035	0.072	0.22	0.45
Benzene	0.088	0.17	0.28	0.54
1,2-Dichloroethane	0.035	Not Detected	0.14	Not Detected
Trichloroethene	0.035	Not Detected	0.19	Not Detected
trans-1,3-Dichloropropene	0.035	Not Detected	0.16	Not Detected
Toluene	0.035	0.32	0.13	1.2
1,1,2-Trichloroethane	0.035	Not Detected	0.19	Not Detected
Tetrachloroethene	0.035	Not Detected	0.24	Not Detected
Chlorobenzene	0.035	Not Detected	0.16	Not Detected
Ethyl Benzene	0.035	0.046	0.15	0.20
m,p-Xylene	0.070	0.13	0.30	0.56
o-Xylene	0.035	0.048	0.15	0.21
1,4-Dichlorobenzene	0.035	Not Detected	0.21	Not Detected
1,2-Dichlorobenzene	0.035	Not Detected	0.21	Not Detected
trans-1,2-Dichloroethene	0.18	Not Detected	0.69	Not Detected
Acetone	0.88	6.2	2.1	15
Methylene Chloride	0.35	Not Detected	1.2	Not Detected
Methyl tert-butyl ether	0.18	Not Detected	0.63	Not Detected
1,1,2,2-Tetrachloroethane	0.035	Not Detected	0.24	Not Detected

**Container Type: 6 Liter Summa Canister (SIM Certified)**

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	118	70-130
Toluene-d8	97	70-130
4-Bromofluorobenzene	96	70-130



Air Toxics

Client Sample ID: IAQ-AA16-043012

Lab ID#: 1205023-17B

**MODIFIED EPA METHOD TO-15 GC/MS SIM**

File Name:	a051113sim	Date of Collection:	4/30/12 8:10:00 AM	
Dil. Factor:	1.75	Date of Analysis:	5/11/12 05:32 PM	
Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Vinyl Chloride	0.018	Not Detected	0.045	Not Detected

**Container Type: 6 Liter Summa Canister (SIM Certified)**

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	116	70-130
Toluene-d8	97	70-130
4-Bromofluorobenzene	106	70-130



Air Toxics

Client Sample ID: IAQ-AA8-043012

Lab ID#: 1205023-18A

**MODIFIED EPA METHOD TO-15 GC/MS SIM**

<b>File Name:</b>	<b>c051112</b>	<b>Date of Collection:</b> 4/30/12 8:42:00 AM		
<b>Dil. Factor:</b>	<b>1.71</b>	<b>Date of Analysis:</b> 5/11/12 10:46 PM		
Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Freon 12	0.034	Not Detected	0.17	Not Detected
Freon 11	0.034	0.26	0.19	1.5
1,1-Dichloroethene	0.017	0.20	0.068	0.82
Freon 113	0.034	0.081	0.26	0.62
1,1-Dichloroethane	0.034	Not Detected	0.14	Not Detected
cis-1,2-Dichloroethene	0.034	Not Detected	0.14	Not Detected
Chloroform	0.034	Not Detected	0.17	Not Detected
1,1,1-Trichloroethane	0.034	Not Detected	0.19	Not Detected
Carbon Tetrachloride	0.034	0.073	0.22	0.46
Benzene	0.086	0.18	0.27	0.56
1,2-Dichloroethane	0.034	Not Detected	0.14	Not Detected
Trichloroethene	0.034	Not Detected	0.18	Not Detected
trans-1,3-Dichloropropene	0.034	Not Detected	0.16	Not Detected
Toluene	0.034	0.38	0.13	1.4
1,1,2-Trichloroethane	0.034	Not Detected	0.19	Not Detected
Tetrachloroethene	0.034	0.049	0.23	0.33
Chlorobenzene	0.034	Not Detected	0.16	Not Detected
Ethyl Benzene	0.034	0.052	0.15	0.23
m,p-Xylene	0.068	0.14	0.30	0.63
o-Xylene	0.034	0.068	0.15	0.30
1,4-Dichlorobenzene	0.034	Not Detected	0.20	Not Detected
1,2-Dichlorobenzene	0.034	Not Detected	0.20	Not Detected
trans-1,2-Dichloroethene	0.17	Not Detected	0.68	Not Detected
Acetone	0.86	6.4	2.0	15
Methylene Chloride	0.34	Not Detected	1.2	Not Detected
Methyl tert-butyl ether	0.17	Not Detected	0.62	Not Detected
1,1,2,2-Tetrachloroethane	0.034	Not Detected	0.23	Not Detected

**Container Type: 6 Liter Summa Canister (SIM Certified)**

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	119	70-130
Toluene-d8	96	70-130
4-Bromofluorobenzene	96	70-130



Air Toxics

Client Sample ID: IAQ-AA8-043012

Lab ID#: 1205023-18B

**MODIFIED EPA METHOD TO-15 GC/MS SIM**

File Name:	a051114sim	Date of Collection:	4/30/12 8:42:00 AM	
Dil. Factor:	1.71	Date of Analysis:	5/11/12 06:26 PM	
Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Vinyl Chloride	0.017	Not Detected	0.044	Not Detected

**Container Type: 6 Liter Summa Canister (SIM Certified)**

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	114	70-130
Toluene-d8	95	70-130
4-Bromofluorobenzene	103	70-130



Air Toxics

Client Sample ID: Lab Blank

Lab ID#: 1205023-19A

## MODIFIED EPA METHOD TO-15 GC/MS SIM

<b>File Name:</b>	<b>c050919</b>	<b>Date of Collection: NA</b>		
<b>Dil. Factor:</b>	<b>1.00</b>	<b>Date of Analysis: 5/10/12 10:39 AM</b>		
Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Freon 12	0.020	Not Detected	0.099	Not Detected
Freon 11	0.020	Not Detected	0.11	Not Detected
1,1-Dichloroethene	0.010	Not Detected	0.040	Not Detected
Freon 113	0.020	Not Detected	0.15	Not Detected
1,1-Dichloroethane	0.020	Not Detected	0.081	Not Detected
cis-1,2-Dichloroethene	0.020	Not Detected	0.079	Not Detected
Chloroform	0.020	Not Detected	0.098	Not Detected
1,1,1-Trichloroethane	0.020	Not Detected	0.11	Not Detected
Carbon Tetrachloride	0.020	Not Detected	0.12	Not Detected
Benzene	0.050	Not Detected	0.16	Not Detected
1,2-Dichloroethane	0.020	Not Detected	0.081	Not Detected
Trichloroethene	0.020	Not Detected	0.11	Not Detected
trans-1,3-Dichloropropene	0.020	Not Detected	0.091	Not Detected
Toluene	0.020	Not Detected	0.075	Not Detected
1,1,2-Trichloroethane	0.020	Not Detected	0.11	Not Detected
Tetrachloroethene	0.020	Not Detected	0.14	Not Detected
Chlorobenzene	0.020	Not Detected	0.092	Not Detected
Ethyl Benzene	0.020	Not Detected	0.087	Not Detected
m,p-Xylene	0.040	Not Detected	0.17	Not Detected
o-Xylene	0.020	Not Detected	0.087	Not Detected
1,4-Dichlorobenzene	0.020	Not Detected	0.12	Not Detected
1,2-Dichlorobenzene	0.020	Not Detected	0.12	Not Detected
trans-1,2-Dichloroethene	0.10	Not Detected	0.40	Not Detected
Acetone	0.50	Not Detected	1.2	Not Detected
Methylene Chloride	0.20	Not Detected	0.69	Not Detected
Methyl tert-butyl ether	0.10	Not Detected	0.36	Not Detected
1,1,2,2-Tetrachloroethane	0.020	Not Detected	0.14	Not Detected

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	101	70-130
Toluene-d8	95	70-130
4-Bromofluorobenzene	96	70-130



Air Toxics

Client Sample ID: Lab Blank

Lab ID#: 1205023-19B

**MODIFIED EPA METHOD TO-15 GC/MS SIM**

File Name:	a051006sim	Date of Collection:	NA
Dil. Factor:	1.00	Date of Analysis:	5/10/12 11:54 AM
Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)
Vinyl Chloride	0.010	Not Detected	0.026

**Container Type: NA - Not Applicable**

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	111	70-130
Toluene-d8	96	70-130
4-Bromofluorobenzene	104	70-130



Air Toxics

Client Sample ID: Lab Blank

Lab ID#: 1205023-19C

**MODIFIED EPA METHOD TO-15 GC/MS SIM**

<b>File Name:</b>	c051007	<b>Date of Collection:</b> NA		
<b>Dil. Factor:</b>	1.00	<b>Date of Analysis:</b> 5/10/12 06:46 PM		
Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Freon 12	0.020	Not Detected	0.099	Not Detected
Freon 11	0.020	Not Detected	0.11	Not Detected
1,1-Dichloroethene	0.010	Not Detected	0.040	Not Detected
Freon 113	0.020	Not Detected	0.15	Not Detected
1,1-Dichloroethane	0.020	Not Detected	0.081	Not Detected
cis-1,2-Dichloroethene	0.020	Not Detected	0.079	Not Detected
Chloroform	0.020	Not Detected	0.098	Not Detected
1,1,1-Trichloroethane	0.020	Not Detected	0.11	Not Detected
Carbon Tetrachloride	0.020	Not Detected	0.12	Not Detected
Benzene	0.050	Not Detected	0.16	Not Detected
1,2-Dichloroethane	0.020	Not Detected	0.081	Not Detected
Trichloroethene	0.020	Not Detected	0.11	Not Detected
trans-1,3-Dichloropropene	0.020	Not Detected	0.091	Not Detected
Toluene	0.020	Not Detected	0.075	Not Detected
1,1,2-Trichloroethane	0.020	Not Detected	0.11	Not Detected
Tetrachloroethene	0.020	Not Detected	0.14	Not Detected
Chlorobenzene	0.020	Not Detected	0.092	Not Detected
Ethyl Benzene	0.020	Not Detected	0.087	Not Detected
m,p-Xylene	0.040	Not Detected	0.17	Not Detected
o-Xylene	0.020	Not Detected	0.087	Not Detected
1,4-Dichlorobenzene	0.020	Not Detected	0.12	Not Detected
1,2-Dichlorobenzene	0.020	Not Detected	0.12	Not Detected
trans-1,2-Dichloroethene	0.10	Not Detected	0.40	Not Detected
Acetone	0.50	Not Detected	1.2	Not Detected
Methylene Chloride	0.20	Not Detected	0.69	Not Detected
Methyl tert-butyl ether	0.10	Not Detected	0.36	Not Detected
1,1,2,2-Tetrachloroethane	0.020	Not Detected	0.14	Not Detected

**Container Type:** NA - Not Applicable

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	105	70-130
Toluene-d8	96	70-130
4-Bromofluorobenzene	96	70-130



Air Toxics

Client Sample ID: Lab Blank

Lab ID#: 1205023-19D

**MODIFIED EPA METHOD TO-15 GC/MS SIM**

File Name:	a051112sim	Date of Collection:	NA	
Dil. Factor:	1.00	Date of Analysis:	5/11/12 04:34 PM	
Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Vinyl Chloride	0.010	Not Detected	0.026	Not Detected

**Container Type: NA - Not Applicable**

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	114	70-130
Toluene-d8	95	70-130
4-Bromofluorobenzene	101	70-130



Air Toxics

Client Sample ID: Lab Blank

Lab ID#: 1205023-19E

**MODIFIED EPA METHOD TO-15 GC/MS SIM**

<b>File Name:</b>	<b>c051107</b>	<b>Date of Collection: NA</b>		
<b>Dil. Factor:</b>	<b>1.00</b>	<b>Date of Analysis: 5/11/12 06:42 PM</b>		
Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Freon 12	0.020	Not Detected	0.099	Not Detected
Freon 11	0.020	Not Detected	0.11	Not Detected
1,1-Dichloroethene	0.010	Not Detected	0.040	Not Detected
Freon 113	0.020	Not Detected	0.15	Not Detected
1,1-Dichloroethane	0.020	Not Detected	0.081	Not Detected
cis-1,2-Dichloroethene	0.020	Not Detected	0.079	Not Detected
Chloroform	0.020	Not Detected	0.098	Not Detected
1,1,1-Trichloroethane	0.020	Not Detected	0.11	Not Detected
Carbon Tetrachloride	0.020	Not Detected	0.12	Not Detected
Benzene	0.050	Not Detected	0.16	Not Detected
1,2-Dichloroethane	0.020	Not Detected	0.081	Not Detected
Trichloroethene	0.020	Not Detected	0.11	Not Detected
trans-1,3-Dichloropropene	0.020	Not Detected	0.091	Not Detected
Toluene	0.020	Not Detected	0.075	Not Detected
1,1,2-Trichloroethane	0.020	Not Detected	0.11	Not Detected
Tetrachloroethene	0.020	Not Detected	0.14	Not Detected
Chlorobenzene	0.020	Not Detected	0.092	Not Detected
Ethyl Benzene	0.020	Not Detected	0.087	Not Detected
m,p-Xylene	0.040	Not Detected	0.17	Not Detected
o-Xylene	0.020	Not Detected	0.087	Not Detected
1,4-Dichlorobenzene	0.020	Not Detected	0.12	Not Detected
1,2-Dichlorobenzene	0.020	Not Detected	0.12	Not Detected
trans-1,2-Dichloroethene	0.10	Not Detected	0.40	Not Detected
Acetone	0.50	Not Detected	1.2	Not Detected
Methylene Chloride	0.20	Not Detected	0.69	Not Detected
Methyl tert-butyl ether	0.10	Not Detected	0.36	Not Detected
1,1,2,2-Tetrachloroethane	0.020	Not Detected	0.14	Not Detected

**Container Type: NA - Not Applicable**

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	114	70-130
Toluene-d8	94	70-130
4-Bromofluorobenzene	88	70-130



Air Toxics

Client Sample ID: CCV

Lab ID#: 1205023-20A

**MODIFIED EPA METHOD TO-15 GC/MS SIM**

File Name:	c050911a	Date of Collection:	NA
Dil. Factor:	1.00	Date of Analysis:	5/9/12 08:47 PM

Compound	%Recovery
Freon 12	87
Freon 11	82
1,1-Dichloroethene	84
Freon 113	88
1,1-Dichloroethane	85
cis-1,2-Dichloroethene	84
Chloroform	84
1,1,1-Trichloroethane	89
Carbon Tetrachloride	95
Benzene	76
1,2-Dichloroethane	80
Trichloroethene	80
trans-1,3-Dichloropropene	92
Toluene	91
1,1,2-Trichloroethane	85
Tetrachloroethene	84
Chlorobenzene	87
Ethyl Benzene	95
m,p-Xylene	100
o-Xylene	99
1,4-Dichlorobenzene	92
1,2-Dichlorobenzene	102
trans-1,2-Dichloroethene	84
Acetone	76
Methylene Chloride	78
Methyl tert-butyl ether	88
1,1,2,2-Tetrachloroethane	95

**Container Type: NA - Not Applicable**

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	104	70-130
Toluene-d8	104	70-130
4-Bromofluorobenzene	111	70-130



Air Toxics

Client Sample ID: CCV

Lab ID#: 1205023-20B

**MODIFIED EPA METHOD TO-15 GC/MS SIM**

File Name:	a051002sim	Date of Collection:	NA
Dil. Factor:	1.00	Date of Analysis:	5/10/12 08:37 AM

Compound	%Recovery
Vinyl Chloride	90

**Container Type: NA - Not Applicable**

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	106	70-130
Toluene-d8	96	70-130
4-Bromofluorobenzene	104	70-130



Air Toxics

Client Sample ID: CCV

Lab ID#: 1205023-20C

**MODIFIED EPA METHOD TO-15 GC/MS SIM**

File Name:	c051002	Date of Collection:	NA
Dil. Factor:	1.00	Date of Analysis:	5/10/12 03:06 PM

Compound	%Recovery
Freon 12	95
Freon 11	83
1,1-Dichloroethene	83
Freon 113	89
1,1-Dichloroethane	83
cis-1,2-Dichloroethene	82
Chloroform	83
1,1,1-Trichloroethane	87
Carbon Tetrachloride	93
Benzene	76
1,2-Dichloroethane	80
Trichloroethene	80
trans-1,3-Dichloropropene	91
Toluene	90
1,1,2-Trichloroethane	87
Tetrachloroethene	87
Chlorobenzene	88
Ethyl Benzene	96
m,p-Xylene	100
o-Xylene	99
1,4-Dichlorobenzene	97
1,2-Dichlorobenzene	105
trans-1,2-Dichloroethene	82
Acetone	76
Methylene Chloride	77
Methyl tert-butyl ether	85
1,1,2,2-Tetrachloroethane	97

**Container Type: NA - Not Applicable**

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	101	70-130
Toluene-d8	104	70-130
4-Bromofluorobenzene	110	70-130



Air Toxics

Client Sample ID: CCV

Lab ID#: 1205023-20D

**MODIFIED EPA METHOD TO-15 GC/MS SIM**

File Name:	a051107sim	Date of Collection:	NA
Dil. Factor:	1.00	Date of Analysis:	5/11/12 12:25 PM

Compound	%Recovery
Vinyl Chloride	90

**Container Type: NA - Not Applicable**

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	108	70-130
Toluene-d8	97	70-130
4-Bromofluorobenzene	105	70-130



Air Toxics

Client Sample ID: CCV

Lab ID#: 1205023-20E

**MODIFIED EPA METHOD TO-15 GC/MS SIM**

File Name:	c051102	Date of Collection:	NA
Dil. Factor:	1.00	Date of Analysis:	5/11/12 02:23 PM

Compound	%Recovery
Freon 12	101
Freon 11	94
1,1-Dichloroethene	85
Freon 113	73
1,1-Dichloroethane	84
cis-1,2-Dichloroethene	79
Chloroform	88
1,1,1-Trichloroethane	95
Carbon Tetrachloride	104
Benzene	78
1,2-Dichloroethane	92
Trichloroethene	80
trans-1,3-Dichloropropene	90
Toluene	94
1,1,2-Trichloroethane	86
Tetrachloroethene	87
Chlorobenzene	89
Ethyl Benzene	97
m,p-Xylene	102
o-Xylene	100
1,4-Dichlorobenzene	103
1,2-Dichlorobenzene	112
trans-1,2-Dichloroethene	78
Acetone	80
Methylene Chloride	74
Methyl tert-butyl ether	83
1,1,2,2-Tetrachloroethane	99

**Container Type: NA - Not Applicable**

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	127	70-130
Toluene-d8	108	70-130
4-Bromofluorobenzene	117	70-130



Air Toxics

Client Sample ID: LCS

Lab ID#: 1205023-21A

**MODIFIED EPA METHOD TO-15 GC/MS SIM**

File Name:	c050916	Date of Collection:	NA
Dil. Factor:	1.00	Date of Analysis:	5/10/12 08:48 AM

Compound	%Recovery
Freon 12	92
Freon 11	93
1,1-Dichloroethene	103
Freon 113	84
1,1-Dichloroethane	93
cis-1,2-Dichloroethene	91
Chloroform	96
1,1,1-Trichloroethane	102
Carbon Tetrachloride	102
Benzene	82
1,2-Dichloroethane	85
Trichloroethene	85
trans-1,3-Dichloropropene	95
Toluene	97
1,1,2-Trichloroethane	90
Tetrachloroethene	89
Chlorobenzene	94
Ethyl Benzene	102
m,p-Xylene	110
o-Xylene	108
1,4-Dichlorobenzene	95
1,2-Dichlorobenzene	107
trans-1,2-Dichloroethene	100
Acetone	86
Methylene Chloride	80
Methyl tert-butyl ether	98
1,1,2,2-Tetrachloroethane	102

**Container Type: NA - Not Applicable**

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	112	70-130
Toluene-d8	106	70-130
4-Bromofluorobenzene	111	70-130



Air Toxics

Client Sample ID: LCSD

Lab ID#: 1205023-21AA

**MODIFIED EPA METHOD TO-15 GC/MS SIM**

File Name:	c050917	Date of Collection:	NA
Dil. Factor:	1.00	Date of Analysis:	5/10/12 09:27 AM

Compound	%Recovery
Freon 12	98
Freon 11	89
1,1-Dichloroethene	96
Freon 113	98
1,1-Dichloroethane	90
cis-1,2-Dichloroethene	89
Chloroform	92
1,1,1-Trichloroethane	98
Carbon Tetrachloride	98
Benzene	82
1,2-Dichloroethane	86
Trichloroethene	86
trans-1,3-Dichloropropene	98
Toluene	97
1,1,2-Trichloroethane	92
Tetrachloroethene	92
Chlorobenzene	95
Ethyl Benzene	102
m,p-Xylene	108
o-Xylene	106
1,4-Dichlorobenzene	96
1,2-Dichlorobenzene	107
trans-1,2-Dichloroethene	100
Acetone	84
Methylene Chloride	82
Methyl tert-butyl ether	96
1,1,2,2-Tetrachloroethane	104

**Container Type: NA - Not Applicable**

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	106	70-130
Toluene-d8	104	70-130
4-Bromofluorobenzene	110	70-130



Air Toxics

Client Sample ID: LCS

Lab ID#: 1205023-21B

**MODIFIED EPA METHOD TO-15 GC/MS SIM**

File Name:	a051003sim	Date of Collection:	NA
Dil. Factor:	1.00	Date of Analysis:	5/10/12 09:20 AM

Compound	%Recovery
Vinyl Chloride	96

**Container Type: NA - Not Applicable**

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	107	70-130
Toluene-d8	97	70-130
4-Bromofluorobenzene	103	70-130



Air Toxics

Client Sample ID: LCSD

Lab ID#: 1205023-21BB

**MODIFIED EPA METHOD TO-15 GC/MS SIM**

File Name:	a051004sim	Date of Collection:	NA
Dil. Factor:	1.00	Date of Analysis:	5/10/12 10:07 AM

Compound	%Recovery
Vinyl Chloride	96

**Container Type: NA - Not Applicable**

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	106	70-130
Toluene-d8	97	70-130
4-Bromofluorobenzene	104	70-130



Air Toxics

Client Sample ID: LCS

Lab ID#: 1205023-21C

**MODIFIED EPA METHOD TO-15 GC/MS SIM**

File Name:	c051003	Date of Collection:	NA
Dil. Factor:	1.00	Date of Analysis:	5/10/12 03:47 PM

Compound	%Recovery
Freon 12	98
Freon 11	87
1,1-Dichloroethene	93
Freon 113	95
1,1-Dichloroethane	87
cis-1,2-Dichloroethene	86
Chloroform	89
1,1,1-Trichloroethane	94
Carbon Tetrachloride	95
Benzene	81
1,2-Dichloroethane	85
Trichloroethene	85
trans-1,3-Dichloropropene	92
Toluene	97
1,1,2-Trichloroethane	89
Tetrachloroethene	90
Chlorobenzene	94
Ethyl Benzene	104
m,p-Xylene	112
o-Xylene	110
1,4-Dichlorobenzene	106
1,2-Dichlorobenzene	116
trans-1,2-Dichloroethene	96
Acetone	82
Methylene Chloride	82
Methyl tert-butyl ether	91
1,1,2,2-Tetrachloroethane	103

**Container Type: NA - Not Applicable**

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	104	70-130
Toluene-d8	106	70-130
4-Bromofluorobenzene	114	70-130



Air Toxics

Client Sample ID: LCSD

Lab ID#: 1205023-21CC

**MODIFIED EPA METHOD TO-15 GC/MS SIM**

File Name:	c051004	Date of Collection:	NA
Dil. Factor:	1.00	Date of Analysis:	5/10/12 04:22 PM

Compound	%Recovery
Freon 12	100
Freon 11	88
1,1-Dichloroethene	94
Freon 113	95
1,1-Dichloroethane	87
cis-1,2-Dichloroethene	85
Chloroform	89
1,1,1-Trichloroethane	93
Carbon Tetrachloride	94
Benzene	82
1,2-Dichloroethane	85
Trichloroethene	85
trans-1,3-Dichloropropene	92
Toluene	97
1,1,2-Trichloroethane	89
Tetrachloroethene	89
Chlorobenzene	94
Ethyl Benzene	104
m,p-Xylene	112
o-Xylene	109
1,4-Dichlorobenzene	104
1,2-Dichlorobenzene	112
trans-1,2-Dichloroethene	96
Acetone	85
Methylene Chloride	84
Methyl tert-butyl ether	89
1,1,2,2-Tetrachloroethane	102

**Container Type: NA - Not Applicable**

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	104	70-130
Toluene-d8	106	70-130
4-Bromofluorobenzene	117	70-130



Air Toxics

Client Sample ID: LCS

Lab ID#: 1205023-21D

**MODIFIED EPA METHOD TO-15 GC/MS SIM**

File Name:	a051108sim	Date of Collection:	NA
Dil. Factor:	1.00	Date of Analysis:	5/11/12 01:08 PM

Compound	%Recovery
Vinyl Chloride	96

**Container Type: NA - Not Applicable**

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	107	70-130
Toluene-d8	98	70-130
4-Bromofluorobenzene	104	70-130



Air Toxics

Client Sample ID: LCSD

Lab ID#: 1205023-21DD

**MODIFIED EPA METHOD TO-15 GC/MS SIM**

File Name:	a051109sim	Date of Collection:	NA
Dil. Factor:	1.00	Date of Analysis:	5/11/12 01:54 PM

Compound	%Recovery
Vinyl Chloride	98

**Container Type: NA - Not Applicable**

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	107	70-130
Toluene-d8	97	70-130
4-Bromofluorobenzene	104	70-130



Air Toxics

Client Sample ID: LCS

Lab ID#: 1205023-21E

**MODIFIED EPA METHOD TO-15 GC/MS SIM**

File Name:	c051103	Date of Collection:	NA
Dil. Factor:	1.00	Date of Analysis:	5/11/12 03:05 PM

Compound	%Recovery
Freon 12	109
Freon 11	95
1,1-Dichloroethene	101
Freon 113	99
1,1-Dichloroethane	84
cis-1,2-Dichloroethene	79
Chloroform	91
1,1,1-Trichloroethane	96
Carbon Tetrachloride	98
Benzene	82
1,2-Dichloroethane	94
Trichloroethene	83
trans-1,3-Dichloropropene	92
Toluene	98
1,1,2-Trichloroethane	89
Tetrachloroethene	89
Chlorobenzene	93
Ethyl Benzene	101
m,p-Xylene	107
o-Xylene	105
1,4-Dichlorobenzene	106
1,2-Dichlorobenzene	123
trans-1,2-Dichloroethene	90
Acetone	94
Methylene Chloride	80
Methyl tert-butyl ether	84
1,1,2,2-Tetrachloroethane	106

**Container Type: NA - Not Applicable**

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	117	70-130
Toluene-d8	109	70-130
4-Bromofluorobenzene	116	70-130



Air Toxics

Client Sample ID: LCSD

Lab ID#: 1205023-21EE

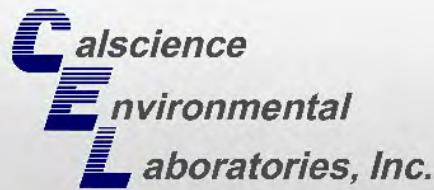
**MODIFIED EPA METHOD TO-15 GC/MS SIM**

File Name:	c051104	Date of Collection:	NA
Dil. Factor:	1.00	Date of Analysis:	5/11/12 03:45 PM

Compound	%Recovery
Freon 12	109
Freon 11	96
1,1-Dichloroethene	102
Freon 113	91
1,1-Dichloroethane	85
cis-1,2-Dichloroethene	82
Chloroform	93
1,1,1-Trichloroethane	97
Carbon Tetrachloride	99
Benzene	80
1,2-Dichloroethane	94
Trichloroethene	84
trans-1,3-Dichloropropene	90
Toluene	98
1,1,2-Trichloroethane	89
Tetrachloroethene	89
Chlorobenzene	94
Ethyl Benzene	104
m,p-Xylene	110
o-Xylene	108
1,4-Dichlorobenzene	107
1,2-Dichlorobenzene	116
trans-1,2-Dichloroethene	92
Acetone	91
Methylene Chloride	80
Methyl tert-butyl ether	83
1,1,2,2-Tetrachloroethane	104

**Container Type: NA - Not Applicable**

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	112	70-130
Toluene-d8	109	70-130
4-Bromofluorobenzene	118	70-130



# CALSCIENCE

## WORK ORDER NUMBER: 12-04-1842

*The difference is service*



AIR   SOIL   WATER   MARINE CHEMISTRY

### Analytical Report For

**Client:** CDM Smith Inc.

**Client Project Name:** Omega IAO / 10500

**Attention:** Sharon Wallin  
111 Academy  
Suite 150  
Irvine, CA 92617-3000

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Approved for release on 05/14/2012 by:  
Stephen Nowak  
Project Manager

[ResultLink ▶](#)

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NELAP ID: 03220CA | DoD-ELAP ID: L10-41 | CSDLAC ID: 10109 | SCAQMD ID: 93LA0830

Client: CDM Smith Inc.  
 111 Academy  
 Suite 150  
 Attn: Sharon Wallin

Work Order: 12-04-1842  
 Project name: Omega IAO / 10500  
 Received: 04/30/12 19:05

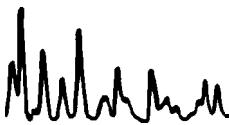
### DETECTIONS SUMMARY

#### Client Sample ID

Analyte	Result	Qualifiers	Reporting Limit	Units	Method	Extraction
<b>IAQ-ROP1-043012-K2 (12-04-1842-1)</b>						
Dichlorodifluoromethane	<b>0.51</b>		0.020	ppb (v/v)	EPA TO-15 SIM	N/A
Trichlorofluoromethane	<b>0.27</b>		0.020	ppb (v/v)	EPA TO-15 SIM	N/A
1,1-Dichloroethene	<b>0.051</b>		0.010	ppb (v/v)	EPA TO-15 SIM	N/A
Methylene Chloride	<b>1.2</b>		0.20	ppb (v/v)	EPA TO-15 SIM	N/A
1,1,2-Trichloro-1,2,2-Trifluoroethane	<b>0.081</b>		0.020	ppb (v/v)	EPA TO-15 SIM	N/A
Chloroform	<b>0.028</b>		0.010	ppb (v/v)	EPA TO-15 SIM	N/A
1,2-Dichloroethane	<b>0.023</b>		0.010	ppb (v/v)	EPA TO-15 SIM	N/A
Acetone	<b>8.3</b>		2.0	ppb (v/v)	EPA TO-15 SIM	N/A
Benzene	<b>0.24</b>		0.020	ppb (v/v)	EPA TO-15 SIM	N/A
Carbon Tetrachloride	<b>0.093</b>		0.010	ppb (v/v)	EPA TO-15 SIM	N/A
Toluene	<b>0.99</b>		0.020	ppb (v/v)	EPA TO-15 SIM	N/A
Tetrachloroethene	<b>0.048</b>		0.020	ppb (v/v)	EPA TO-15 SIM	N/A
Ethylbenzene	<b>0.11</b>		0.020	ppb (v/v)	EPA TO-15 SIM	N/A
p/m-Xylene	<b>0.29</b>		0.040	ppb (v/v)	EPA TO-15 SIM	N/A
o-Xylene	<b>0.11</b>		0.020	ppb (v/v)	EPA TO-15 SIM	N/A
<b>IAQ-AA8-043012-K2 (12-04-1842-2)</b>						
Dichlorodifluoromethane	<b>0.46</b>		0.020	ppb (v/v)	EPA TO-15 SIM	N/A
Trichlorofluoromethane	<b>0.28</b>		0.020	ppb (v/v)	EPA TO-15 SIM	N/A
1,1-Dichloroethene	<b>0.16</b>		0.010	ppb (v/v)	EPA TO-15 SIM	N/A
1,1,2-Trichloro-1,2,2-Trifluoroethane	<b>0.076</b>		0.020	ppb (v/v)	EPA TO-15 SIM	N/A
Chloroform	<b>0.023</b>		0.010	ppb (v/v)	EPA TO-15 SIM	N/A
1,2-Dichloroethane	<b>0.018</b>		0.010	ppb (v/v)	EPA TO-15 SIM	N/A
Acetone	<b>3.8</b>		0.50	ppb (v/v)	EPA TO-15 SIM	N/A
Benzene	<b>0.21</b>		0.020	ppb (v/v)	EPA TO-15 SIM	N/A
Carbon Tetrachloride	<b>0.080</b>		0.010	ppb (v/v)	EPA TO-15 SIM	N/A
Toluene	<b>0.40</b>		0.020	ppb (v/v)	EPA TO-15 SIM	N/A
Tetrachloroethene	<b>0.056</b>		0.020	ppb (v/v)	EPA TO-15 SIM	N/A
Ethylbenzene	<b>0.069</b>		0.020	ppb (v/v)	EPA TO-15 SIM	N/A
p/m-Xylene	<b>0.20</b>		0.040	ppb (v/v)	EPA TO-15 SIM	N/A
o-Xylene	<b>0.078</b>		0.020	ppb (v/v)	EPA TO-15 SIM	N/A

Subcontracted analyses, if any, are not included in this summary.

\*MDL is shown.



Client: CDM Smith Inc.  
 111 Academy  
 Suite 150  
 Attn: Sharon Wallin

Work Order: 12-04-1842  
 Project name: Omega IAO / 10500  
 Received: 04/30/12 19:05

### DETECTIONS SUMMARY

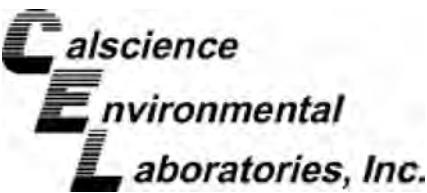
#### Client Sample ID

Analyte	Result	Qualifiers	Reporting Limit	Units	Method	Extraction
<b>IAQ-ROP1-043012-K2 (12-04-1842-1)</b>						
Dichlorodifluoromethane	<b>2.5</b>		0.099	ug/m3	EPA TO-15 SIM	N/A
Trichlorofluoromethane	<b>1.5</b>		0.11	ug/m3	EPA TO-15 SIM	N/A
1,1-Dichloroethene	<b>0.20</b>		0.040	ug/m3	EPA TO-15 SIM	N/A
Methylene Chloride	<b>4.2</b>		0.69	ug/m3	EPA TO-15 SIM	N/A
1,1,2-Trichloro-1,2,2-Trifluoroethane	<b>0.62</b>		0.15	ug/m3	EPA TO-15 SIM	N/A
Chloroform	<b>0.14</b>		0.049	ug/m3	EPA TO-15 SIM	N/A
1,2-Dichloroethane	<b>0.091</b>		0.040	ug/m3	EPA TO-15 SIM	N/A
Acetone	<b>20</b>		4.8	ug/m3	EPA TO-15 SIM	N/A
Benzene	<b>0.78</b>		0.064	ug/m3	EPA TO-15 SIM	N/A
Carbon Tetrachloride	<b>0.59</b>		0.063	ug/m3	EPA TO-15 SIM	N/A
Toluene	<b>3.7</b>		0.075	ug/m3	EPA TO-15 SIM	N/A
Tetrachloroethene	<b>0.32</b>		0.14	ug/m3	EPA TO-15 SIM	N/A
Ethylbenzene	<b>0.50</b>		0.087	ug/m3	EPA TO-15 SIM	N/A
p-m-Xylene	<b>1.2</b>		0.17	ug/m3	EPA TO-15 SIM	N/A
o-Xylene	<b>0.48</b>		0.087	ug/m3	EPA TO-15 SIM	N/A
<b>IAQ-AA8-043012-K2 (12-04-1842-2)</b>						
Dichlorodifluoromethane	<b>2.3</b>		0.099	ug/m3	EPA TO-15 SIM	N/A
Trichlorofluoromethane	<b>1.6</b>		0.11	ug/m3	EPA TO-15 SIM	N/A
1,1-Dichloroethene	<b>0.63</b>		0.040	ug/m3	EPA TO-15 SIM	N/A
1,1,2-Trichloro-1,2,2-Trifluoroethane	<b>0.58</b>		0.15	ug/m3	EPA TO-15 SIM	N/A
Chloroform	<b>0.11</b>		0.049	ug/m3	EPA TO-15 SIM	N/A
1,2-Dichloroethane	<b>0.072</b>		0.040	ug/m3	EPA TO-15 SIM	N/A
Acetone	<b>9.0</b>		1.2	ug/m3	EPA TO-15 SIM	N/A
Benzene	<b>0.69</b>		0.064	ug/m3	EPA TO-15 SIM	N/A
Carbon Tetrachloride	<b>0.51</b>		0.063	ug/m3	EPA TO-15 SIM	N/A
Toluene	<b>1.5</b>		0.075	ug/m3	EPA TO-15 SIM	N/A
Tetrachloroethene	<b>0.38</b>		0.14	ug/m3	EPA TO-15 SIM	N/A
Ethylbenzene	<b>0.30</b>		0.087	ug/m3	EPA TO-15 SIM	N/A
p-m-Xylene	<b>0.87</b>		0.17	ug/m3	EPA TO-15 SIM	N/A
o-Xylene	<b>0.34</b>		0.087	ug/m3	EPA TO-15 SIM	N/A

Subcontracted analyses, if any, are not included in this summary.

\*MDL is shown.





## Analytical Report



CDM Smith Inc.  
111 Academy  
Suite 150  
Irvine, CA 92617-3000

Date Received: 04/30/12  
Work Order No: 12-04-1842  
Preparation: N/A  
Method: EPA TO-15 SIM  
Units: ppb (v/v)

Project: Omega IAO / 10500

Page 1 of 2

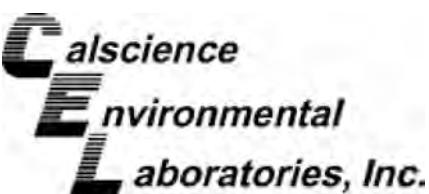
Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
IAQ-ROP1-043012-K2	12-04-1842-1-A	04/30/12 15:26	Air	GC/MS DD	N/A	05/01/12 16:14	120501L01

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Dichlorodifluoromethane	0.51	0.020	1		t-1,3-Dichloropropene	ND	0.020	1	
Vinyl Chloride	ND	0.010	1		1,1,1-Trichloroethane	ND	0.020	1	
Trichlorofluoromethane	0.27	0.020	1		1,2-Dichlorobenzene	ND	0.020	1	
1,1-Dichloroethene	0.051	0.010	1		Benzene	0.24	0.020	1	
Methylene Chloride	1.2	0.20	1		Carbon Tetrachloride	0.093	0.010	1	
1,1,2-Trichloro-1,2,2-Trifluoroethane	0.081	0.020	1		1,1,2-Trichloroethane	ND	0.020	1	
t-1,2-Dichloroethene	ND	0.10	1		Toluene	0.99	0.020	1	
1,1-Dichloroethane	ND	0.020	1		Trichloroethene	ND	0.010	1	
c-1,2-Dichloroethene	ND	0.020	1		Tetrachloroethene	0.048	0.020	1	
Chloroform	0.028	0.010	1		Ethylbenzene	0.11	0.020	1	
1,2-Dichloroethane	0.023	0.010	1		p/m-Xylene	0.29	0.040	1	
1,4-Dichlorobenzene	ND	0.020	1		1,1,2,2-Tetrachloroethane	ND	0.020	1	
Chlorobenzene	ND	0.020	1		o-Xylene	0.11	0.020	1	
Acetone	8.3	2.0	4		Methyl-t-Butyl Ether (MTBE)	ND	0.10	1	
<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control</u>	<u>Qual</u>		<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control</u>	<u>Qual</u>	
1,4-Bromofluorobenzene	107	45-153			1,2-Dichloroethane-d4	93	37-163		
Toluene-d8	101	73-121							

IAQ-AA8-043012-K2	12-04-1842-2-A	04/30/12 16:49	Air	GC/MS DD	N/A	05/01/12 17:57	120501L01
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Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Dichlorodifluoromethane	0.46	0.020	1		Acetone	3.8	0.50	1	
Vinyl Chloride	ND	0.010	1		1,4-Dichlorobenzene	ND	0.020	1	
Trichlorofluoromethane	0.28	0.020	1		1,1,1-Trichloroethane	ND	0.020	1	
1,1-Dichloroethene	0.16	0.010	1		Benzene	0.21	0.020	1	
Methylene Chloride	ND	0.20	1		Carbon Tetrachloride	0.080	0.010	1	
1,1,2-Trichloro-1,2,2-Trifluoroethane	0.076	0.020	1		1,1,2-Trichloroethane	ND	0.020	1	
t-1,2-Dichloroethene	ND	0.10	1		Toluene	0.40	0.020	1	
1,1-Dichloroethane	ND	0.020	1		Trichloroethene	ND	0.010	1	
c-1,2-Dichloroethene	ND	0.020	1		Tetrachloroethene	0.056	0.020	1	
Chloroform	0.023	0.010	1		Ethylbenzene	0.069	0.020	1	
1,2-Dichloroethane	0.018	0.010	1		p/m-Xylene	0.20	0.040	1	
t-1,3-Dichloropropene	ND	0.020	1		1,1,2,2-Tetrachloroethane	ND	0.020	1	
1,2-Dichlorobenzene	ND	0.020	1		o-Xylene	0.078	0.020	1	
Chlorobenzene	ND	0.020	1		Methyl-t-Butyl Ether (MTBE)	ND	0.10	1	
<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control</u>	<u>Qual</u>		<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control</u>	<u>Qual</u>	
1,4-Bromofluorobenzene	101	45-153			1,2-Dichloroethane-d4	101	37-163		
Toluene-d8	98	73-121							

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers



## Analytical Report



CDM Smith Inc.  
111 Academy  
Suite 150  
Irvine, CA 92617-3000

Date Received: 04/30/12  
Work Order No: 12-04-1842  
Preparation: N/A  
Method: EPA TO-15 SIM  
Units: ppb (v/v)

Project: Omega IAO / 10500

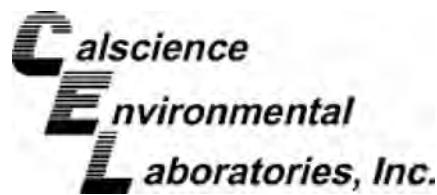
Page 2 of 2

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	099-15-188-6	N/A	Air	GC/MS DD	N/A	05/01/12 15:14	120501L01

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Dichlorodifluoromethane	ND	0.020	1		Acetone	ND	0.50	1	
Vinyl Chloride	ND	0.010	1		Chlorobenzene	ND	0.020	1	
Trichlorofluoromethane	ND	0.020	1		t-1,3-Dichloropropene	ND	0.020	1	
1,1-Dichloroethene	ND	0.010	1		Benzene	ND	0.020	1	
Methylene Chloride	ND	0.20	1		Carbon Tetrachloride	ND	0.010	1	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	0.020	1		1,1,2-Trichloroethane	ND	0.020	1	
t-1,2-Dichloroethene	ND	0.10	1		Toluene	ND	0.020	1	
1,1-Dichloroethane	ND	0.020	1		Trichloroethene	ND	0.010	1	
c-1,2-Dichloroethene	ND	0.020	1		Tetrachloroethene	ND	0.020	1	
Chloroform	ND	0.010	1		Ethylbenzene	ND	0.020	1	
1,2-Dichloroethane	ND	0.010	1		p/m-Xylene	ND	0.040	1	
1,4-Dichlorobenzene	ND	0.020	1		1,1,2,2-Tetrachloroethane	ND	0.020	1	
1,1,1-Trichloroethane	ND	0.020	1		o-Xylene	ND	0.020	1	
1,2-Dichlorobenzene	ND	0.020	1		Methyl-t-Butyl Ether (MTBE)	ND	0.10	1	
<u>Surrogates:</u>		<u>REC (%)</u>	<u>Control</u>	<u>Qual</u>	<u>Surrogates:</u>		<u>REC (%)</u>	<u>Control</u>	<u>Qual</u>
1,4-Bromofluorobenzene		95	45-153		1,2-Dichloroethane-d4		114	37-163	
Toluene-d8		102	73-121						

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers





## Analytical Report



CDM Smith Inc.  
111 Academy  
Suite 150  
Irvine, CA 92617-3000

Date Received: 04/30/12  
Work Order No: 12-04-1842  
Preparation: N/A  
Method: EPA TO-15 SIM  
Units: ug/m3

Project: Omega IAO / 10500

Page 1 of 2

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
IAQ-ROP1-043012-K2	12-04-1842-1-A	04/30/12 15:26	Air	GC/MS DD	N/A	05/01/12 16:14	120501L01

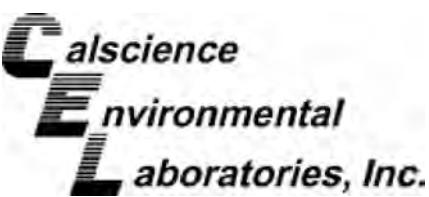
Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Dichlorodifluoromethane	2.5	0.099	1		t-1,3-Dichloropropene	ND	0.091	1	
Vinyl Chloride	ND	0.026	1		1,1,1-Trichloroethane	ND	0.11	1	
Trichlorofluoromethane	1.5	0.11	1		1,2-Dichlorobenzene	ND	0.12	1	
1,1-Dichloroethene	0.20	0.040	1		Benzene	0.78	0.064	1	
Methylene Chloride	4.2	0.69	1		Carbon Tetrachloride	0.59	0.063	1	
1,1,2-Trichloro-1,2,2-Trifluoroethane	0.62	0.15	1		1,1,2-Trichloroethane	ND	0.11	1	
t-1,2-Dichloroethene	ND	0.40	1		Toluene	3.7	0.075	1	
1,1-Dichloroethane	ND	0.081	1		Trichloroethene	ND	0.054	1	
c-1,2-Dichloroethene	ND	0.079	1		Tetrachloroethene	0.32	0.14	1	
Chloroform	0.14	0.049	1		Ethylbenzene	0.50	0.087	1	
1,2-Dichloroethane	0.091	0.040	1		p/m-Xylene	1.2	0.17	1	
1,4-Dichlorobenzene	ND	0.12	1		1,1,2,2-Tetrachloroethane	ND	0.14	1	
Chlorobenzene	ND	0.092	1		o-Xylene	0.48	0.087	1	
Acetone	20	4.8	4		Methyl-t-Butyl Ether (MTBE)	ND	0.36	1	
<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control</u>	<u>Limits</u>		<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control</u>	<u>Limits</u>	
1,4-Bromofluorobenzene	107	45-153			1,2-Dichloroethane-d4	93	37-163		
Toluene-d8	101	73-121							

IAQ-AA8-043012-K2	12-04-1842-2-A	04/30/12 16:49	Air	GC/MS DD	N/A	05/01/12 17:57	120501L01
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Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Dichlorodifluoromethane	2.3	0.099	1		Acetone	9.0	1.2	1	
Vinyl Chloride	ND	0.026	1		1,4-Dichlorobenzene	ND	0.12	1	
Trichlorofluoromethane	1.6	0.11	1		1,1,1-Trichloroethane	ND	0.11	1	
1,1-Dichloroethene	0.63	0.040	1		Benzene	0.69	0.064	1	
Methylene Chloride	ND	0.69	1		Carbon Tetrachloride	0.51	0.063	1	
1,1,2-Trichloro-1,2,2-Trifluoroethane	0.58	0.15	1		1,1,2-Trichloroethane	ND	0.11	1	
t-1,2-Dichloroethene	ND	0.40	1		Toluene	1.5	0.075	1	
1,1-Dichloroethane	ND	0.081	1		Trichloroethene	ND	0.054	1	
c-1,2-Dichloroethene	ND	0.079	1		Tetrachloroethene	0.38	0.14	1	
Chloroform	0.11	0.049	1		Ethylbenzene	0.30	0.087	1	
1,2-Dichloroethane	0.072	0.040	1		p/m-Xylene	0.87	0.17	1	
t-1,3-Dichloropropene	ND	0.091	1		1,1,2,2-Tetrachloroethane	ND	0.14	1	
1,2-Dichlorobenzene	ND	0.12	1		o-Xylene	0.34	0.087	1	
Chlorobenzene	ND	0.092	1		Methyl-t-Butyl Ether (MTBE)	ND	0.36	1	
<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control</u>	<u>Limits</u>		<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control</u>	<u>Limits</u>	
1,4-Bromofluorobenzene	101	45-153			1,2-Dichloroethane-d4	101	37-163		
Toluene-d8	98	73-121							

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers





## Analytical Report



CDM Smith Inc.  
111 Academy  
Suite 150  
Irvine, CA 92617-3000

Date Received: 04/30/12  
Work Order No: 12-04-1842  
Preparation: N/A  
Method: EPA TO-15 SIM  
Units: ug/m3

Project: Omega IAO / 10500

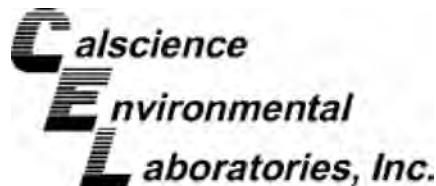
Page 2 of 2

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	099-15-188-6	N/A	Air	GC/MS DD	N/A	05/01/12 15:14	120501L01

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Dichlorodifluoromethane	ND	0.099	1		Acetone	ND	1.2	1	
Vinyl Chloride	ND	0.026	1		Chlorobenzene	ND	0.092	1	
Trichlorofluoromethane	ND	0.11	1		t-1,3-Dichloropropene	ND	0.091	1	
1,1-Dichloroethene	ND	0.040	1		Benzene	ND	0.064	1	
Methylene Chloride	ND	0.69	1		Carbon Tetrachloride	ND	0.063	1	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	0.15	1		1,1,2-Trichloroethane	ND	0.11	1	
t-1,2-Dichloroethene	ND	0.40	1		Toluene	ND	0.075	1	
1,1-Dichloroethane	ND	0.081	1		Trichloroethene	ND	0.054	1	
c-1,2-Dichloroethene	ND	0.079	1		Tetrachloroethene	ND	0.14	1	
Chloroform	ND	0.049	1		Ethylbenzene	ND	0.087	1	
1,2-Dichloroethane	ND	0.040	1		p/m-Xylene	ND	0.17	1	
1,4-Dichlorobenzene	ND	0.12	1		1,1,2,2-Tetrachloroethane	ND	0.14	1	
1,1,1-Trichloroethane	ND	0.11	1		o-Xylene	ND	0.087	1	
1,2-Dichlorobenzene	ND	0.12	1		Methyl-t-Butyl Ether (MTBE)	ND	0.36	1	
<u>Surrogates:</u>		<u>REC (%)</u>	<u>Control</u>	<u>Qual</u>	<u>Surrogates:</u>		<u>REC (%)</u>	<u>Control</u>	<u>Qual</u>
1,4-Bromofluorobenzene		95	45-153		1,2-Dichloroethane-d4		114	37-163	
Toluene-d8		102	73-121						

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers





## Quality Control - LCS/LCS Duplicate



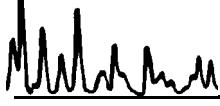
CDM Smith Inc.  
111 Academy  
Suite 150  
Irvine, CA 92617-3000

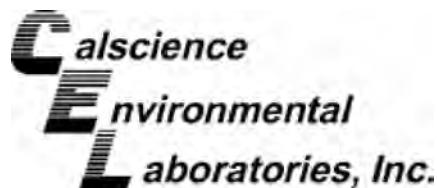
Date Received: N/A  
Work Order No: 12-04-1842  
Preparation: N/A  
Method: EPA TO-15 SIM

Project: Omega IAO / 10500

Quality Control Sample ID	Matrix	Instrument	Date Prepared		Date Analyzed		LCS/LCSD Batch Number	
099-15-188-6	Air	GC/MS DD	N/A		05/01/12		120501L01	
Parameter	SPIKE ADDED	LCS %REC	LCSD %REC	%REC CL	ME CL	RPD	RPD CL	Qualifiers
Dichlorodifluoromethane	0.5000	88	91	50-150	33-167	2	0-30	
Chloromethane	0.5000	87	91	50-150	33-167	5	0-30	
Vinyl Chloride	0.5000	90	91	44-140	28-156	1	0-33	
Chloroethane	0.5000	91	93	50-150	33-167	3	0-30	
Trichlorofluoromethane	0.5000	95	95	50-150	33-167	1	0-30	
1,1-Dichloroethene	0.5000	81	80	50-150	33-167	1	0-30	
Methylene Chloride	0.5000	83	83	50-150	33-167	0	0-30	
1,1,2-Trichloro-1,2,2-Trifluoroethane	0.5000	83	85	50-150	33-167	2	0-30	
t-1,2-Dichloroethene	0.5000	66	78	50-150	33-167	17	0-30	
1,1-Dichloroethane	0.5000	85	87	50-150	33-167	3	0-30	
c-1,2-Dichloroethene	0.5000	86	86	35-165	13-187	0	0-35	
Chloroform	0.5000	87	87	50-150	33-167	0	0-30	
1,2-Dichloroethane	0.5000	84	87	28-166	5-189	3	0-40	
1,2,4-Trimethylbenzene	0.5000	84	86	50-150	33-167	2	0-30	
1,3,5-Trimethylbenzene	0.5000	85	86	50-150	33-167	1	0-30	
4-Ethyltoluene	0.5000	85	85	50-150	33-167	0	0-30	
Chlorobenzene	0.5000	84	84	50-150	33-167	0	0-30	
t-1,3-Dichloropropene	0.5000	88	88	50-150	33-167	0	0-30	
1,1,1-Trichloroethane	0.5000	89	88	50-150	33-167	1	0-30	
1,1-Difluoroethane	0.5000	89	90	50-150	33-167	1	0-30	
Benzene	0.5000	82	82	27-153	6-174	0	0-34	
Carbon Tetrachloride	0.5000	95	93	7-187	0-217	2	0-31	
Bromodichloromethane	0.5000	90	89	50-150	33-167	0	0-30	
1,1,2-Trichloroethane	0.5000	85	85	27-171	3-195	0	0-38	
Toluene	0.5000	83	83	28-154	7-175	0	0-42	
Dibromochloromethane	0.5000	95	95	50-150	33-167	0	0-30	
Trichloroethene	0.5000	82	82	43-139	27-155	0	0-31	
Tetrachloroethene	0.5000	86	86	34-154	14-174	0	0-33	
Ethylbenzene	0.5000	83	85	27-153	6-174	2	0-46	
p/m-Xylene	1.000	87	88	21-165	0-189	1	0-51	
1,1,2,2-Tetrachloroethane	0.5000	87	88	50-150	33-167	1	0-30	
o-Xylene	0.5000	84	86	22-160	0-183	2	0-48	
Hexachloro-1,3-Butadiene	0.5000	70	70	50-150	33-167	1	0-30	

RPD - Relative Percent Difference , CL - Control Limit





## Quality Control - LCS/LCS Duplicate



CDM Smith Inc.  
111 Academy  
Suite 150  
Irvine, CA 92617-3000

Date Received: N/A  
Work Order No: 12-04-1842  
Preparation: N/A  
Method: EPA TO-15 SIM

Project: Omega IAO / 10500

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number			
099-15-188-6	Air	GC/MS DD	N/A	05/01/12	120501L01			
Parameter	SPIKE ADDED	LCS %REC	LCSD %REC	%REC CL	ME CL	RPD	RPD CL	Qualifiers
Methyl-t-Butyl Ether (MTBE)	0.5000	81	80	50-150	33-167	1	0-30	
Naphthalene	0.5000	69	67	40-190	15-215	2	0-30	

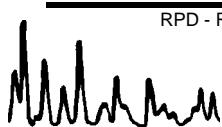
Total number of LCS compounds : 35

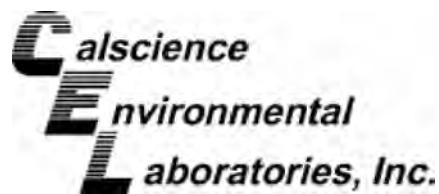
Total number of ME compounds : 0

Total number of ME compounds allowed : 2

LCS ME CL validation result : Pass

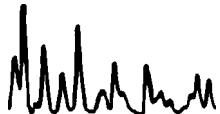
RPD - Relative Percent Difference , CL - Control Limit

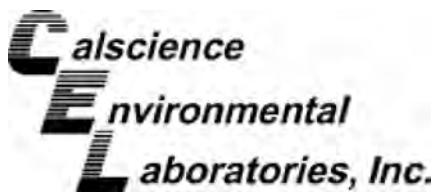


**Summa Canister Vacuum Summary**Work Order Number: **12-04-1842**

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Sample Name	Vacuum In	Vacuum Out	Equipment	Description
IAQ-ROP1-043012-K2	-6.00	-29.80	SIM033	Summa Canister 6L
IAQ-AA8-043012-K2	-9.00	-29.80	SIM013	Summa Canister 6L





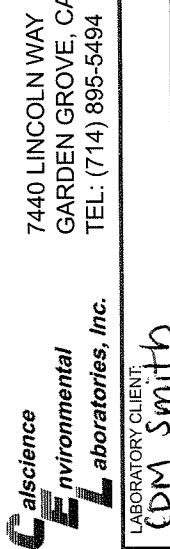
## Glossary of Terms and Qualifiers



Work Order Number: 12-04-1842

<u>Qualifier</u>	<u>Definition</u>
*	See applicable analysis comment.
<	Less than the indicated value.
>	Greater than the indicated value.
1	Surrogate compound recovery was out of control due to a required sample dilution. Therefore, the sample data was reported without further clarification.
2	Surrogate compound recovery was out of control due to matrix interference. The associated method blank surrogate spike compound was in control and, therefore, the sample data was reported without further clarification.
3	Recovery of the Matrix Spike (MS) or Matrix Spike Duplicate (MSD) compound was out of control due to matrix interference. The associated LCS and/or LCSD was in control and, therefore, the sample data was reported without further clarification.
4	The MS/MSD RPD was out of control due to matrix interference. The LCS/LCSD RPD was in control and, therefore, the sample data was reported without further clarification.
5	The PDS/PDSD or PES/PESD associated with this batch of samples was out of control due to a matrix interference effect. The associated batch LCS/LCSD was in control and, hence, the associated sample data was reported without further clarification.
6	Surrogate recovery below the acceptance limit.
7	Surrogate recovery above the acceptance limit.
B	Analyte was present in the associated method blank.
BU	Sample analyzed after holding time expired.
E	Concentration exceeds the calibration range.
ET	Sample was extracted past end of recommended max. holding time.
HD	The chromatographic pattern was inconsistent with the profile of the reference fuel standard.
HDH	The sample chromatographic pattern for TPH matches the chromatographic pattern of the specified standard but heavier hydrocarbons were also present (or detected).
HDL	The sample chromatographic pattern for TPH matches the chromatographic pattern of the specified standard but lighter hydrocarbons were also present (or detected).
J	Analyte was detected at a concentration below the reporting limit and above the laboratory method detection limit. Reported value is estimated.
ME	LCS/LCSD Recovery Percentage is within Marginal Exceedance (ME) Control Limit range.
ND	Parameter not detected at the indicated reporting limit.
Q	Spike recovery and RPD control limits do not apply resulting from the parameter concentration in the sample exceeding the spike concentration by a factor of four or greater.
SG	The sample extract was subjected to Silica Gel treatment prior to analysis.
X	% Recovery and/or RPD out-of-range.
Z	Analyte presence was not confirmed by second column or GC/MS analysis.
	Solid - Unless otherwise indicated, solid sample data is reported on a wet weight basis, not corrected for % moisture. All QC results are reported on a wet weight basis.
	MPN - Most Probable Number



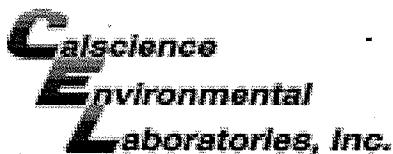


**AIR CHAIN OF CUSTODY RECORD**  
 DATE: 30 April 2012  
 PAGE: 1 OF 1

7440 LINCOLN WAY  
 GARDEN GROVE, CA 92841-1427  
 TEL: (714) 895-5494 FAX: (714) 894-7501

LABORATORY CLIENT: <b>CDM Smith</b>		CLIENT PROJECT NAME / NUMBER: <b>Omega AQ / 10500</b>		P.O.NO.:							
ADDRESS: <b>11 Academy Ste. 150</b>	PROJECT ADDRESS: <b>Irving</b>	CITY: <b>CA</b>	STATE: <b>CA</b>	ZIP: <b>92617</b>							
TURNAROUND TIME: <input type="checkbox"/> SAME DAY <input type="checkbox"/> 24 HR <input type="checkbox"/> 48 HR <input type="checkbox"/> 72 HR <input type="checkbox"/> 5 DAYS <input checked="" type="checkbox"/> 10 DAYS	PROJECT CONTACT: <b>Shawn Walline</b>										
SAMPLER(S): (NAME / SIGNATURE)  <i>Shawn Walline</i>											
SPECIAL REQUIREMENTS (ADDITIONAL COSTS MAY APPLY) <input type="checkbox"/> EDD  SPECIAL INSTRUCTIONS:  											
LAB USE ONLY	SAMPLE ID	FIELD ID / Point of Collection	Sampling Equipment			Start Sampling Information			Stop Sampling Information		
			Air Type ( <input type="checkbox"/> Indoor <input type="checkbox"/> Soil Vap. <input type="checkbox"/> Ambient)	Canister Size/ ID#	Flow Controller ID #	Date	Time (24 hr clock)	Canister Pressure ("Hg)	Date	Time (24 hr clock)	Canister Pressure ("Hg)
1	IAQ-R0P1-043012-K2	R0P1	A	SM 813	6L FC 103	4.30.12 0823	>-30	4.30.12 1524	-5	X	
2	IAQ-AA8-043012-K2	AA8	A	SM 813	↓ FC 255	4.30.12 0842	>-30	↓ 1049	-9	X	
3											
4											
5											
6											
7											
8											
9											
10											
11											
12											
13											
14											
15											
Brought by: (Signature)			Received by: (Signature)			Date: <u>4.30.12</u>			Time: <u>1905</u>		
Relinquished by: (Signature)			Received by: (Signature)			Date: <u>4.30.12</u>			Time: <u>1905</u>		
Relinquished by: (Signature)			Received by: (Signature)			Date: <u>4.30.12</u>			Time: <u>1905</u>		

DISTRIBUTION: White with final report, Green and Yellow to Client.  
 Please note that pages 1 and 2 of 2 of our T/Cs are printed on the reverse side of the Green and Yellow copies respectively.



WORK ORDER #: 12-04-1842

**SAMPLE RECEIPT FORM**Cooler 0 of 0CLIENT: CDMDATE: 04/30/12**TEMPERATURE:** Thermometer ID: SC2 (Criteria: 0.0 °C – 6.0 °C, not frozen)Temperature       .       °C - 0.3 °C (CF) =       .       °C    Blank    Sample

- Sample(s) outside temperature criteria (PM/APM contacted by: \_\_\_\_\_).
- Sample(s) outside temperature criteria but received on ice/chilled on same day of sampling.
- Received at ambient temperature, placed on ice for transport by Courier.

Ambient Temperature:  Air    FilterInitial: b.l**CUSTODY SEALS INTACT:**

<input type="checkbox"/> Cooler	<input type="checkbox"/>	<input type="checkbox"/> No (Not Intact)	<input type="checkbox"/> Not Present	<input checked="" type="checkbox"/> N/A	Initial: <u>b.l</u>
<input type="checkbox"/> Sample	<input type="checkbox"/>	<input type="checkbox"/> No (Not Intact)	<input checked="" type="checkbox"/> Not Present	<input type="checkbox"/>	Initial: <u>b.l</u>

**SAMPLE CONDITION:**

	Yes	No	N/A
Chain-Of-Custody (COC) document(s) received with samples.....	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
COC document(s) received complete.....	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/> Collection date/time, matrix, and/or # of containers logged in based on sample labels.			
<input type="checkbox"/> No analysis requested. <input type="checkbox"/> Not relinquished. <input type="checkbox"/> No date/time relinquished.			
Sampler's name indicated on COC.....	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Sample container label(s) consistent with COC.....	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Sample container(s) intact and good condition.....	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Proper containers and sufficient volume for analyses requested.....	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Analyses received within holding time.....	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
pH / Res. Chlorine / Diss. Sulfide / Diss. Oxygen received within 24 hours... <input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Proper preservation noted on COC or sample container.....	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/> Unpreserved vials received for Volatiles analysis			
Volatile analysis container(s) free of headspace.....	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Tedlar bag(s) free of condensation.....	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

**CONTAINER TYPE:**Solid:  4ozCGJ  8ozCGJ  16ozCGJ  Sleeve (\_\_\_\_\_)  EnCores®  TerraCores®  \_\_\_\_\_Water:  VOA  VOA<sub>h</sub>  VOAna<sub>2</sub>  125AGB  125AGB<sub>h</sub>  125AGBp  1AGB  1AGBna<sub>2</sub>  1AGBs 500AGB  500AGJ  500AGJs  250AGB  250CGB  250CGBs  1PB  1PBna  500PB 250PB  250PBn  125PB  125PBznna  100PJ  100PJna<sub>2</sub>  \_\_\_\_\_  \_\_\_\_\_  \_\_\_\_\_Air:  Tedlar®  Summa® Other:  \_\_\_\_\_ Trip Blank Lot#: \_\_\_\_\_ Labeled/Checked by: b.lContainer: C: Clear A: Amber P: Plastic G: Glass J: Jar B: Bottle Z: Ziploc/Resealable Bag E: Envelope Reviewed by: b.lPreservative: h: HCL n: HNO<sub>3</sub> na<sub>2</sub>:Na<sub>2</sub>S<sub>2</sub>O<sub>3</sub> na: NaOH p: H<sub>3</sub>PO<sub>4</sub> s: H<sub>2</sub>SO<sub>4</sub> u: Ultra-pure znna: ZnAc<sub>2</sub>+NaOH f: Filtered Scanned by: b.l